CONSTRUCTION NEWS

Engineering News-Record, July 2, 1925

Some of the Week's Large Projects

AMONG the announcements for the current week of proposals, bids desired and received, and contracts awarded, are the following big jobs:

Proposed Work

Pipe Line, Texas, Booth Interests plan pipe line and power plant, total, $3,100,000.

Hotel, Apartment and Theatre—Office, three buildings, San Antonio, Texas, S. L. Jeffers having plans prepared, total $3,100,000.

Power plant, Bernice, Okla., Public Service Co. plans power house and dam, $2,500,000.

Courthouse annex and remodeling present building, San Antonio, Texas, Bexar Co. plans bond election, total $1,500,000.

Railroad, Texas-Gulf Coast Lines plan addition, $1,200,000.

Memorial, Champaign, Ill., Columbus Foundation plan memorial, $1,000,000.

Office and stores, Oakland, Calif., Latham Square Corp. plans building, $1,000,000.

Hospital, Cleveland, O., Marine Hospital plan buildings, $1,000,000.

Machinery, New Braunfels, Texas, Comal Power Co. plans to purchase electrical machinery, $1,000,000.

Reservation, Boston, Mass., City Planning Board plans park, $1,000,000.

Hotel, Aptos, Calif., Monroe-Lyon & Miller having plans prepared, $1,000,000.

Bids Wanted on Big Jobs

Hotel, El Paso, Texas, July 1, by C. and A. C. DeGroff, $1,000,000.

Store, Vancouver, B. C., McCarter & Nairne, Aug. 17, $1,500,000.

Large Contracts Let During Week

Subway, New York, N. Y., Bd. of Transportation to Rosenthal Eng. & Contg. Co., $5,123,000.

Office, New York, N. Y., Cedar Williams Street Corp. to G. A. Fuller Co., $2,700,000.

Apartment, Los Angeles, Calif., Clarendon Apartments, Inc. to H. T. Johnson, $1,200,000.

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

Bids Close			See Eng. News-Record

WATERWORKS

July	6	St. Paul, Minn.	June 25
July	6	Milwaukee, Wis.	July 2
July	6	Manitowoc, Wis.	July 2
July	6	Mason, Mich.	July 2
July	7	Ocala, Fla.	June 25
July	7	New London, N. H.	June 25
July	7	Jackson, Miss.	July 2
July	7	Grantsburg, Wis.	June 25
July	9	Ronceverte, W. Va.	June 25
July	9	Rhode Island Adv. June 25 and July 2.	June 25
July	9	Lepanto, Ark.	July 2
July	13	Covington, Ky.	June 25
July	13	Houston, Tex.	July 2
July	14	Woodstock, Va.	June 25
July	20	Oakland, Calif.	June 4
July	21	Lansing, Ill. Adv. July 2.	July 2
July	22	Calallen, Tex. Adv. July 2.	July 2
July	27	Omaha, Neb.	June 25
July	28	Leesville, S. C.	June 25

SEWERS

July	6	Lansdale, Pa.	June 18
July	6	Boston, Mass.	June 25
July	6	Plainfield, N. J. Adv. June 25 and July 2.	June 25
July	6	Fairview, O.	July 2
July	6	Janesville, Wis.	July 2
July	7	Pittsfield, Ill.	July 2
July	7	Boston, Mass.	June 25
July	7	Grantsburg, Wis.	June 25
July	8	Belzoni, Miss.	July 2
July	8	West Palm Beach, Fla. Adv. July 2.	July 2
July	9	Lepanto, Ark.	July 2
July	9	Long Island City, N. Y.	July 2
July	9	Port Arthur, Tex.	July 2
July	10	Salisbury, Md. Adv. July 2.	July 2
July	13	Chippewa Lake, O.	July 2
July	13	Dickinson, N. D.	July 2
July	14	Villisca, Ia. Adv. July 2.	July 2
July	21	Puntagordo, Fla.	July 2
July	22	Grand Rapids, Mich. Adv. July 2.	July 2
July	28	Leesville, S. C.	June 25

WASTE DISPOSAL

July	6	West Palm Beach, Fla.	June 18

BRIDGES

July	6	Georgia	June 18
July	7	Milwaukee, Wis.	July 2
July	8	Alabama	June 4
July	8	Alabama	June 18
July	8	Freehold, N. J. Adv. June 25 and July 2.	June 25
July	8	Kansas	July 2
July	9	Eldorado, Kan.	July 2

Bids Close			See Eng. News-Record
July	9	Colorado	July 2
July	13	Perth Amboy, N. J. Adv. July 2.	July 2
July	14	Washington	June 25
July	14	Auburn, N. Y. Adv. July 2.	July 2
July	14	Rock Rift, N. Y.	July 2
July	20	Manitowoc, Wis. Adv. July 2.	July 2
July	20	Welland, Ont.	July 2
July	22	San Francisco, Calif.	July 2
July	28	Merced, Calif.	July 2

DAMS

July	9	Gouverneur, N. Y.	June 18
July	27	San Antonio, Tex. Adv. July 2.	July 2

EXCAVATION, DRAINAGE IRRIGATION, LEVEES

July	6	Buffalo, N. Y.	June 25
July	7	Louisiana	July 2
July	7	Albany, N. Y. Adv. June 11 to July 2.	June 11
July	11	Tracy, Calif.	July 2

STREETS AND ROADS

July	3	Wisconsin	June 25
July	6	Peekskill, N. Y.	June 18
July	6	Fayetteville, W. Va. Adv. June 11 to July 2.	June 11
July	6	New Jersey	June 18
July	6	Bridgeport, W. Va.	June 25
July	6	Astoria, Ill.	June 25
July	6	Cedar Rapids, Ia.	June 25
July	6	St. Paul, Minn.	June 25
July	6	Astoria, Ill.	July 2
July	6	Bellevue, Neb.	July 2
July	6	Bicknell, Ind.	July 2
July	6	Cannon Falls, Minn.	July 2
July	6	Carteret, N. J.	July 2
July	6	Hopewell, N. J.	July 2
July	6	Illinois	July 2
July	6	Monroe, Mich.	July 2
July	6	Racine, Wis.	July 2
July	6	Wichita Falls, Tex.	July 2
July	7	Dade City, Fla.	June 18
July	7	Dundee, Fla.	June 25
July	7	Tampa, Fla.	June 25
July	7	North Dakota	June 25
July	7	Pennsylvania Adv. June 25 and July 2.	June 25
July	7	Bloomington, Ind.	July 2
July	7	Hillcrest Heights, Fla.	July 2
July	7	Liberty, Ind.	July 2
July	7	Massachusetts	July 2
July	7	Phila., Pa.	July 2
July	7	Springwell, Mich.	July 2
July	8	Alabama	June 4
July	8	North Dakota	June 25
July	8	Jackson, Miss.	June 25
July	8	Grand Forks, N. D.	June 18
July	8	Baltimore, Md.	July 2
July	8	Clayton, Mo.	July 2
July	8	Cleveland, O.	July 2
July	8	Paw Paw, Mich.	July 2
July	8	Wisconsin	July 2
July	8	West Palm Beach, Fla. Adv. June 2.	July 2

Bids Close			See Eng. News-Record
July	9	Louisiana	June 25
July	9	Oberlin, La.	June 25
July	9	Port Arthur, Tex.	June 25
July	9	Colorado	July 2
July	9	Long Island City, N. Y.	July 2
July	9	North Dakota	July 2
July	10	North Dakota	June 25
July	10	Pittsboro, Miss.	June 25
July	10	Cincinnati, O.	July 2
July	10	New Philadelphia, O.	July 2
July	11	North Dakota	July 2
July	13	Kentucky	June 18
July	13	Akron, O.	July 2
July	14	Worthington, Minn.	June 25
July	14	St. Louis, Mo.	June 25
July	14	Washington	June 25
July	14	Durham, N. C.	July 2
July	14	Gonzales, Tex.	July 2
July	14	Lambertsville, N. J.	July 2
July	14	North Dakota	July 2
July	14	Yazoo City, Miss.	July 2
July	15	New York Adv. June 25 and July 2.	June 25
July	15	Phila., Pa. Adv. June 11 to July 2.	June 25
July	16	Louisiana	July 2
July	17	Faribault, Minn.	June 25
July	17	Michigan	July 2
July	21	Florida	July 2
July	21	North Carolina	July 2
Aug.	1	Birmingham, Ala.	June 25
Sept.	22	New Orleans, La.	July 2
Sept.	24	New Orleans, La.	July 2

BUILDINGS INDUSTRIAL

July	6	Detroit, Mich.	July 2
July	13	Fresno, Calif.	July 2

BUILDINGS—COMMERCIAL

July	6	Coney Island (Brooklyn P. O.), N. Y.	June 25
July	6	Trenton Junction (Trenton P. O.), N. J.	June 25
July	6	Murphysboro, Ill.	June 25
July	6	Baltimore, Md.	June 25
July	8	Easton, Pa.	July 2
July	9	Phila., Pa.	July 2
July	10	Hanover, Pa.	July 2
July	13	Johnstown, Pa.	June 18
July	14	Phila., Pa.	Feb. 19
July	15	Brooklyn, N. Y.	May 21
July	15	Houston, Tex.	July 2
July	21	Ithaca, N. Y. Adv. June 25 and July 2	July 2

BUILDINGS—EDUCATIONAL, RELIGIOUS

July	6	Norwood, Pa.	July 2
July	7	Mianus (mail Cos Cob), Conn.	July 2
July	7	Kalamazoo, Mich.	July 2
July	7	Phila., Pa.	July 2
July	8	St. Louis, Mo.	June 25
July	8	Los Angeles, Calif.	July 2
July	9	Highland Park, Mich.	July 2
July	10	Los Angeles, Calif.	July 2
July	13	Pembroke, Ont.	July 2
July	13	Williamsport, Pa.	July 2

Bids Close		See Eng. News-Record
July 14	Brooklyn, N. Y.	July 2
July 16	Buffalo, N. Y.	June 25
July 27	Kankakee, Ill.	July 2

FEDERAL GOVERNMENT WORK

July 3	Post Office—Lowell, Mass.	June 4
July 3	Dredging—Bridgeport, Conn.	June 4
July 6	Remodeling—Saginaw, Mich.	June 11
July 7	Bridges—Florence, Ala. Adv. May 21 to July 2.	May 28
July 7	Post Office—Clarksburg, W. Va.	June 11
July 7	Hospital—Oteen, N. C.	June 25
July 7	Post Office—Clarksburg, W. Va.	June 25
July 7	Levee Work — Vicksburg, Miss. Adv. July 2.	July 2
July 8	Post Office—Camden, Ark.	June 11
July 8	Swinging Machinery—Florence, Ala. Adv. June 18 and July 2.	June 18
July 9	Remodeling—Providence, R. I.	June 4
July 10	Post Office—Franklin, Pa.	June 11
July 10	Earthwork—New Orleans, La.	June 25
July 13	Post Office—Walden, N. Y.	June 18
July 15	Embankment—Memphis, Tenn.	June 25
July 15	Quarters—Brooklyn, N. Y. Adv. June 25 and July 2.	July 2
July 20	Crane—Florence, Ala. Adv. June 11 to July 2.	June 11
July 21	Lock Gates—Florence, Ala. Adv. June 25 and July 2.	July 2
July 29	Hospital—Canacao, P. I.	May 21
July 31	Dredging—New Haven, Conn. Adv. July 2.	July 2
Aug. 4	Hospital—Hot Springs, S. D.	June 25

UNCLASSIFIED

July 3	Breakwater and Wharf—Little Judyne Ponds, N. S.	June 25
July 3	Subway—New York, N. Y.	July 2
July 6	Subway—Jersey City, N. J.	June 18
July 7	Pier-Port—Burwell, Ont.	July 2
July 8	Street Lighting—West Palm Beach, Fla. Adv. July 2.	July 2
July 10	Subway—New York, N. Y.	July 2
July 14	Cribwork—Oshawa, Ont.	July 2
July 14	Heating, etc.—Ray Brook N. Y. Adv. July 2.	July 2
July 14	Heating, etc.—Iroquois, N. Y. Adv. July 2.	July 2
Aug. 10	Electric Capstans, etc.—Napier, New Zealand	June 25

MATERIALS

July 3	Rails, etc—New York, N. Y.	July 2
July 6	Sand, etc.—Lancaster, Pa. Adv. June 2.	July 2
July 14	Concrete, etc.—New York. Adv. July 2.	July 2
July 20	Pipe—New York, N. Y.	July 2

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Mass., Nahant (br. of Lynn)—Bd. Selectmen plans high pressure water system connected with metropolitan water supply $150,000. Engineer not selected.

Fla., Bushnell—Voted $55,000 bonds, constructing waterworks, and 75,000 gal. tower tank. W. M. Galt, city mgr.

Miss., Marks — Election July 3, $30,000 bonds waterworks, distribution system and extending sewers in various streets. Noted Oct. 23.

Tenn., Watertown—Election July 15, approximately $56,000 bonds, waterworks. Noted Nov. 13.

Wis., Kenosha—C. M. Osborn, city mgr., plans additional units at filtration plant. $100,000. Engineer not selected.

Missouri—See "Streets and Roads."

Mo., Columbia—City making plans turbine and equipment for water and light plant. $51,500. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, engrs.

Mo., DeSota—Voted $28,500 bonds, water and distribution system, etc. J. P. Davis, Jefferson City, engr. Noted June 11.

Mo., Lees Summit—See "Sewers."

O., Lorain—Plans three 6 m.g. 70 lb. pressure centrifugal pumps and switch boards. $35,000. C. C. Miller, City Hall, engr.

O., Niles — Plans to purchase new site, furthering source of supply, and extending water system, etc. $25,000-$30,000.

Mo., Salisbury—Election July 6, $35,000 bonds, waterworks and distribution system. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs.

Ark., Atkins—Voted $15,000 bonds, drilling wells, pumping plant, distribution mains, etc. Ford & McRea, Gazette Bldg., Little Rock, engrs.

Tex., Harlingen — Voted $25,000 bonds extending and improving waterworks. Address mayor.

Tex., Pharr — Plans purification plant. $50,000 or more. Engineer not selected. A. Van Williams, mayor. Noted Feb. 19.

Tex., Port Arthur—Voted $400,000 bonds for fresh water supply from Neches Canal Co., incl. reservoir, filtration plant, etc. J. P. Logan, mayor. Noted June 18.

Tex., Teague — Postponed $100,000 bond election waterworks improvements. Jno. B. Hawley, Cotton Exch. Bldg., Ft. Worth, engr.

Okla., Alex—Voted $31,000 bonds, new waterworks, incl. well, pump, motor, tank, tower, mains, etc. J. C. Milliken, Chickasha, engr. Noted June 18.

Okla., Davenport—Voted $33,000 bonds, new waterworks, incl. deep well, pump motor, tank and tower, main valves, etc. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs. Noted June 11.

Okla., Henryetta — Holway Eng. Co., Wright Bldg., Tulsa, submitted report new water supply, here, for City. $200,000. Noted June 4.

Okla., Okemah — Voted $200,000 bonds, new waterworks, incl. filtration plant, pump, elevated tank, pipe lines, etc. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted June 4.

Okla., Thomas—Voted $15,000 bonds extending mains in various streets. H. G. Olmstead, 2230 West 18th St., Oklahoma City, engr.

Okla., Wynne Wood — Voted $35,000 bonds, waterworks extensions, incl. mains, and swimming pool. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted June 18.

Calif., San Francisco — Plans extending mains in Beach and North Point Sts. $18,500. M. M. O'Shaughnessy, city engr.

BIDS DESIRED

Miss., Jackson — July 7, by Mayor and City Comrs. at office A. J. Johnson, city clk., electric motors, pumps and equipment for pumping station. J. H. Fewell, supt. Waterworks.; adv. E. N.-R. July 2. Noted June 11.

Mich., Mason—July 6, by J. E. Welch, city clk., 2 unit horizontal flow sedimentation tank. W. E. Zimmer, Mason, engr.

Ill, Lansing—July 21, by A. Van Steenberg, village pres. and Village Trustees, Village Hall, waterworks improvements. Ashdown, Williams & Co., Chicago Heights, engrs.; adv. E. N.-R. July 2.

Wis., Manitowoc — July 7, by City, at office City Clerk approximately 1,200 ft. 36 in. c.i. intake extending into Lake Michigan. $70,000. F. L. Alter, City Hall, engr. Noted June 11.

Wis., Milwaukee—July 6, at Office Central Bd. Purchases, D. W. Hoan, chn. 200 fire hydrants, 500 "DD" stop cock boxes, 100 covers, 200 top sections, 150 extension pieces, etc., to Water Dept.

Ark., Lepanto — July 9, by Bd. Comrs. Water Dist. 1, waterworks and distribution system, incl. mains, pumping equipment, etc. $46,800. T. H. Allen, Bank Commerce & Trust Bldg., Memphis, Tenn., engr.

Tex., Calallen—July 22, by P. G. Lovenskiold, mayor and Bd. City Comrs. of Corpus Christi, equipment for 2 filter units, sedimentation basins and mixing chambers in new plant, here. J. T. Wright, city secy.; adv. E. N.-R. July 2.

Tex., Dallas — City, c/o M. G. James, secy., taking bids four thousand eight hundred ⅝ x ¾ in. disc water meters equipped with round reading U. S. gal. dials, without connections, 150 one in. disc water meters equipped with round reading U. S. gal. dials with connections, also 4,875 meter box lids and 4,775 meter box rings. $6,000.

Tex., Houston — July 13, by O. F. Holcombe, mayor, Plan A two steam turbine driven centrifugal pumps 15 m.g. capacity, three 300 hp. water tube boilers, Plan B two or more electrically driven pumps 8 to 15 m.g. capacity, 1 electric motor air compressor with switch boards, controls, etc. J. C. McVey, city engr.

Calif., Redwood City—City, W. A. Price, clk., in market for centrifugal pump, booster type, 6 in. size, 1,000 g.p.m. direct connected to 75 hp. motor.

BIDS RECEIVED

O., Columbus—See "Streets and Roads."

Calif., Redwood City—Constructing rein.-con. reservoir, **(A)** with concrete roof **(B)** with wooden roof from Rocca & Caletti, 609-C St., Rafael, **(A)** $21,300; from Daley Bros., Burlingame, **(B)** $19,515. Noted Apr. 9.

Calif., Orosi—Public Utility Dist., constructing water system, incl. pipe line, valves, hydrants, pumping equipment, (1) Matheson pipe (2) Dayton couplings, from E. W. Redman, Calimyrna Ave., Fresno. **(1)** $23,025 **(2)** $22,303.

CONTRACTS AWARDED

Mass., Boston—Supply Dept., F. P. Rock, supt., 1,000 concrete meter boxes for Water Service, Dept. Pub. Wks., to Hugh Nawn Contg. Co., 82 Savin St., Roxbury, $9.60 each. Noted June 11.

Md., Baltimore—Bd. Awards superstructure of chemical, filter buildings, pumping station, garage, shelter and control chamber, for Montebello filters, Harford Rd. and 33rd St., to J. H. Miller, Eutaw and Franklin Sts., $309,631. Noted June 25.

Miss., Columbus—City Clerk, 25,600 ft. c.i. distribution main, 330,000 gal. concrete coagulation basin, 200,000 gal. tank on tower, and 8,800 ft. sanitary sewers in various streets, to Pittsburgh-Des Moines Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., approximately $85,000. Noted May 28.

Mich., Detroit—Bd. Water Comrs., will lay 6 in. watermains in 1,260 ft. Filer Ave., 1,260 ft. Edna Ave., 660 ft. Norlina Ave., 1,270 ft. Rowe Ave., 420 ft. Mansfield Ave., 660 ft. Liberal St., 660 ft. Defour Ave., 1,440 ft. Pelkey Ave., 960 ft. Albion Ave., 1,270 ft. Bradford Ave., 1,065 ft. Manor Ave., 1,510 ft. Flanders Ave., 745 ft. Willard Ave., 660 ft. Maddiline Ave., 315 ft. Hoyt St., and 8 in. mains in 1,260 ft. Outer Dr. Blvd., 660 ft. Englewood Ave., 540 ft. Western Ave., 1,510 ft. Aurora Ave., 1,270 ft. Arnott St., 660 ft. Northlawn Ave., 3,940 ft. Lincoln Rd., 660 ft. Norvara Ave., 560 ft. Morian Ave., 660 ft. Lappin Ave., 960 ft. Beland Ave; also 12 in. mains in 295 ft. Livernois Ave., 1,260 ft. Mound Ave., 1,635 ft. Houston Ave., 385 ft. Westfield Ave. and 600 ft. Schoenherr Rd. by day labor. G. H. Fenkell, 232 East Jefferson St., gen. mgr.

Ill., Carthage — City, earth dam with concrete spillway, concrete coagulation basin, clear well, brick pumping station, pumps, piping, 80,000 gal. tank on tower, 5,500 ft. 8 in. force mains, etc., to Johnson Eng. Co., Waterloo, Ia., $127,570. Engrs. est. $132,000. Noted May 28.

Minn., Minneapolis—F. S. Gram, city purch. agt., 57 tons special castings for filtration plant (now under construction), to Minneapolis Steel & Mchy. Co., 2854 Minnehaha Ave., $175 per ton. Noted June 11.

Neb., Ruskin—Village, tank on tower, to Omaha Steel Wks., 4802 Leavenworth St., Omaha, $6,050; c.i. pipe, to U. S. Cast Iron Pipe & Fdry. Co., 604 Interstate Bldg., Kansas City, $5,250; galvanized pipe, to D. C. McCullen, 1820 St. Mary Ave., Omaha, $1,275; pumps, to E. C. Archibald, 2200 Ave. A, Council Bluffs, Ia., $1,170, pipe line, to Martz Constr., Seward; valves and hydrants, to Interstate Mchy. Co., 1006 Douglas St., Omaha, $963. Grand total $14,708. Noted Mar. 12.

Tex., Dilley—Terrell Bartlett Engineers, 612 Calcasieu Bldg., San Antonio, waterworks improvements, incl. distribution system, to D. M. Wilson, Grady, $4,155; 50,000 gal. storage tank, to Pittsburg-Des Moines Steel Co., Praetorian Bldg., Dallas, $4,250; 2 in. c.i. pipe, also hydrants, valves and boxes, to Kroeger Mchy. Co., San Antonio, $2,731 and $1,179 respectively; 4- to 8-in. c.i. pipe and specials, to Standard Sanitary Mfg. Co., 101 River Ave., San Antonio, $8,390; motor driven Ingersoll-Rand compressor, suction piping, fittings, etc., to San Antonio Machine & Supply Co., 325 North Center St., San Antonio, $1,566. Grand total $22,271. Noted May 28.

Tex., Rusk — J. A. Thompson, mayor, waterworks improvements, incl. earth dam, concrete spillway, 8 in. c.i. pipe lines, mains, laterals, etc., to B. F. Brooks Constr. Co., Slaughter Bldg., Dallas, $42,000. Engrs. est. $45,000. Noted May 28.

Okla., Morrison—City, will improve waterworks, incl. mains, well, etc., by day labor. $27,000. H. G. Olmstead & Co., Oklahoma Bldg., Oklahoma City, engrs. Noted Apr. 16.

Okla., Norman—For 10,500 ft. 12 in., 1,750 ft. 8 in., 12,000 ft. 6 in. and 10,000 4 in. c.i. pipe for extending mains in various streets, to Amer. Cast Iron Pipe Co., Acipco, Birmingham, $51,279. Engrs. est. $65,000. Noted June 11.

Sewers

PROPOSED WORK

R. I., Providence—Plans sewerage works in Rushmore Ave., Stansbury, Windmill and Veto Sts. $25,000. J. B. Ballard, chn. Com. on Sewers.

Sewers (Continued)

Miss., Marks—See "Waterworks."

O., Cincinnati — Plans 1,670 ft. 51- to 78-in. brick sewer in Observatory Rd. $60,150. F. Krug, City Hall, engr.

O., Cincinnati—See "Streets and Roads."

Mich., Detroit—Made plans brick tunnel sewer in 6,516 ft. Lyndon-Grand River Ave. Arm, East Mill Road Sewer; 2,311 ft. Harper Ave. Arm, West Section 2, Connors Creek Sewer, and 2,717 ft. Kendall Ave. Arm, West Wyoming Ave. Sewer; brick or concrete sewer, open cut in 4,312 ft. Cadieux Rd. Sewer, tunnel or open cut sewer in 2,549 ft. Bonaparte Ave. Arm, East Wyoming Ave. Sewer. P. A. Fellows, city engr.

Mich., Detroit—Made plans vitr. lateral sewers in 671 ft. 12 in. Lateral 4367, 2,884 ft. 12- to 20-in. Lateral 4384, 6,720 ft. 12- to 24-in. Lateral 4385, 7,286 ft. 12- to 20-in. Lateral 4386, 2,546 ft. 12- to 24-in. Lateral 4388, 799 ft. 12- to 24-in. Lateral 4393, 626 ft. 15- to 18-in. Lateral 4394, 700 ft. 12- to 18-in. Lateral 4402, 4,638 ft. 12- to 24-in. Lateral 4405, 1,549 ft. 12- to 20-in. Lateral 4410; also vitr. or concrete storm sewers in 1,994 ft. 12- to 15-in. Storm Sewer 4407, 2,008 ft. 12- to 18-in.. Storm Sewer 4408, 2,482 ft. 12- to 18-in. Storm Sewer 4411, 1,949 ft. 12- to 20-in. Storm Sewer 4412, 3,564 ft. 12- to 20-in. Storm Sewer 4413, 2,682 ft. 12- to 20-in. Storm Sewer 4414, 3,640 ft. 12- to 20-in. Storm Sewer 4415, and 2,499 ft. 12- to 15-in. Storm Sewer 4416. P. A. Fellows, city engr.

Missouri—See "Streets and Roads."

Mo., Lee's Summit — Election July 7, $80,000 bonds sanitary sewerage system and extending waterworks. E. T. Archer & Co., 609 New England Bldg., Kansas City, engrs. Noted Apr. 2.

Mo., Jefferson City—Making preliminary plans complete storm and sanitary sewers in various streets. $100,000. Black & Veatch, Mutual Life Bldg., Kansas City, engrs.

Ark., Little Rock — Making preliminary plans 8 ft. oval shaped sewer with connecting laterals from Arkansas River South to 9th St. and from Bway. to Cumberland St. $300,000. A. Kahn, 3504 Hill Rd. and C. T. Abeles, 2101 East 17th St., comrs. Engineer not announced.

Tex., Harlingen — Voted $25,000 bonds, extending to sewerage system. Address Mayor. Noted June 4.

Okla., Davenport — Defeated $35,000 bonds, new sanitary sewerage system. Project dropped. Noted June 11.

Okla., Oklahoma City—Election July 21, $825,000 bonds, 2 mi. outfall sewers and new disposal plant. Pease, Greeley & Hansen, 6 North Michigan Ave., Chicago, Ill., engrs.

Calif., Glendale—See "Excavation, Drainage, Irrigation, Levees."

BIDS DESIRED

N. Y., Long Island City—July 9, by M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., sanitary sewers, etc. in Lake View Pl., Stephens Blvd., 150th, 146th and 155th Sts. Conduit, 120th and 114th Aves.; high level sewers in 114th Ave., 2nd Ward.

N. Y., St. George—June 29, by J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sanitary sewers in Willowbrook Rd., Bradley, Buchanan and Roosevelt Aves.

Md., Salisbury — July 10, by Water & Sewer Comn., sewers listed in Contr. 6. F. H. Dryden, ch. engr.; adv. E. N.-R. July 2.

Fla., Puntagorda—July 21, by City, M. C. Price, city mgr. extending sanitary sewers in various streets. J. B. McCrary, Eng. Corp., Citizens and Southern Bldg., Atlanta, Ga., engrs.

Fla., West Palm Beach—July 8, by City Comn., certain storm sewer improvements. T. B. Henry, city engr.; adv. E. N.-R. July 2.

Miss., Belzoni—July 8, by F. M. Pepper, city clk., approximately 4 mi. sanitary sewers etc. in various streets. D. M. Forrester, City Hall, engr.

O., Chippewa Lake—July 13, by Comrs. Medina Co., (Medina), sewage treatment plant and elevated tank, tower and foundations, Chippewa Lake, (Sewer Dist. 1). R. F. MacDowell, 1770 East 11th St., Cleveland, engr.

O., Fairview—July 6, by Village, sewers in various streets. $40,000. E. H. Arnold, Town Hall, Rocky River, engr.

Ill., Pittsfield — July 7, by Bd. Local Imprvts., Firemens Hall, 46,904 ft. 8- to 18-in. vitr. clay and 84 ft. 8- to 18-in. c.i. sewers, etc., in various streets. Caldwell Eng. Co., Jacksonville, engrs. Noted Jan. 29.

Wis., Janesville — July 6, by Bd. Pub. Wks., 6,345 lin.ft. 8- to 12-in. vitr. clay sewers in various streets. C. V. Kerch, Hall, engr. Noted June 4.

Wis., West Milwaukee (Milwaukee P. O.)—July 6, S. J. Brew, village clk., approximately 2 mi. 6- and 8-in. vitr. or concrete sewers in various streets. To exceed $25,000. Orbert & Gohn Eng. Co., 6202 Greenfield Ave., West Allis, engrs. Noted May 21.

Ia., Villisca — July 14, by City, City Hall, 17,168 ft. 8- to 12-in. sewers, etc. F. C. Reese, city clk.; adv. E. N.-R. July 2.

N. D., Dickinson—July 13, by Bd. City Comrs., storm sewers and laterals in 23 blocks various streets. E. R. Griffin, Mandan, engr.

Ark., Lepanto—July 9, by Comrs. Sewer Impvt. 2, complete sanitary sewerage system. Dist. $29,700. T. H. Allen, Bank Commerce & Trust Bldg., Memphis, Tenn., engr. Noted Apr. 16.

Tex., Port Arthur—July 9, by City Com., 14,000 ft. storm sewers, etc., in Shreveport Ave. $69,500. Nagle, Witt & Rollins, 1024 Keystone Bldg., Houston, engrs.

Calif., Oakland—City Council taking bids 1,373 lin.ft. 10- to 21-in. vitr. conduits, or alternate 929 lin.ft. 10 and 15 in. vitr. and 1,173 lin.ft. 22 and 24 in. rein.-con. conduits, for East of Lake Storm Drain Sewer. W. W. Harmon, city engr.

Calif., Santa Barbara—City Council taking bids 23,373 ft. 6- to 14-in. vitr. and 48 ft. 8 in. c.i. sewers in Punta Gorda St., etc. G. D. Morrison, city engr

BIDS RECEIVED

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, June 23, main sewer in Stokley St., and in Winghocking sewer, from R. Lombardi, 601 Lincoln Bldg., $238,600 and $280,450 respectively; South Phila. Impvt. in Oregon Ave. Sewer from E. Fay & Son, 2 South Male St., $51,970; branch sewers in Alresford St., from A. Mattia, 310 North 65th St. $2,348, Colorado and Darien Sts., from Sarco Contg. & Building Co., 1213 Snyder Ave. $2,819 and $8,218 respectively, Edgemont St., from J. Moss, 1652 Wakeling St. $5,337, Gaul St., from V. S. Campellone, 812 West Venango St. $3,075, Oxford St., from J. J. McHugh, 1617 Race St., $4,572. Noted June 18.

O., Columbus—See "Streets and Roads."

O., Euclid — City, sanitary and storm sewers in Chardon Rd., from Curro & Whittaker, 12208 Mayfield Rd., Cleveland, brick $48,100, segmental block $47,992, and concrete $45,104; Cut Rd., from M. Iafornaro Co., 2280 Murray Hill Rd., Cleveland, $11,780. Noted June 11.

Mich., Detroit—Bd. Pub. Wks., City Hall, from R. D. Baker, 1631 Elmhurst Ave., rein.-con., brick and vitr. sewers in Grand River Ave. Arm, East Hubbell Ave. Sewer $158,409, Grand River Ave. Arm West, Hubbell Ave. Sewer $49,317, Schoolcraft Ave. Arm, East Millroad Sewer $95,818; from G. R. Cooke, 1260 Penobscot Bldg., Hubbell Ave. Sewer, Sect. 4, $285,430; from T. D. Nolan, 11341 Woodward Ave., Schoolcraft Ave. Arm West, Hubbell Ave. Sewer, $36,076; from Detroit Drainage Constr. Co., 5099 LeMay Ave., Monnier-Schoolcraft Arm, Hubbell Ave. Sewer, $54,286. Noted June 4.

Ill., Wheaton—Wheaton Sanitary Dist., June 16, sewage disposal plant, etc., from W. J. Newman & Co., 21 North Curtis St., Chicago, Ill. Noted May 28.

Wis., Milwaukee—Dept. Pub. Wks., June 15, from G. E. Zimmermann, 3402 Grand Ave., 12 in. vitr. and 24- to 30-in. rein.-con. sewers in Euclid Ave. from Jordan Ave. to Herman St. $11,875, 12 and 15 in. sewer in Jordan Ave. from Oklahoma to Euclid Aves., $1,608; from W. T. Werner, 675 Hi-Mount Blvd., 8 and 12 in. sewer in Pine Ave. from Oklahoma to Euclid Aves. $1,392, Lepoy St. from Euclid to Oklahoma Aves. $1,402, Ullrich Ave. from Oklahoma to Euclid Aves. $1,360, Sheridan Ave. from Oklahoma to Euclid Aves., $1,477; from J. Brogan & Sons, 700 Dousman St., Green Bay, 8 and 21 in. sewer in Vliet St. from 58th to 60th Sts. $4,352, 8 and 12 in. sewer in 16th St. from Lake St. to Fiebrantz Ave., $1,483; from Szukalski & Matke, 1098 Amer. Ave., 12 in. sewer in Herman St. from Oklahoma to Euclid Aves., $856; from Wenzel & Henoch Co., 498 27th St., 8 and 12 in. sewer in 59th St. from Vliet St. to point south, $2,218; from H. Hohensee, Ludington Ave., Wauwatosa, 457 ft. 96 in. monolithic concrete sewer in Jordan Ave., $23,893.

Wis., Milwaukee—Dept. Pub. Wks., June 16, from F. E. Kaminski, 745 46th Ave., West Allis, 8 and 12 in. sewer in Logan Ave. from Oklahoma to Euclid Aves. $1,978, Dousman St. from Burleigh St. to point north, $600; from J. Brogan & Sons, 700 Dousman St., Green Bay, 12 in. sewer in Howell Ave. from Oklahoma to Euclid Aves. $2,176, 18 and 24 in. sewer in Washington Blvd. from 59th to 60th Sts. $2,563, 8 in., 48 in. monolithic concrete, 24 and 36 in. rein.-con., also 12 and 21 in. sewer, etc., in Fiebrantz Ave. from 16th St. to Atkinson Ave. $45,043; from Szukalski & Matke, 1098 Amer. Ave., 8 and 12 in. sewers in Griffin Ave. from Oklahoma to Euclid Aves., $1,752; from G. E. Zimmermann, 3402 Grand Ave., 8- to 21-in. sewers in 11th Ave. from Oklahoma to Euclid Aves., $10,341; from Kehrein Bros., 1304 11th St., 12 in. sewer in Newport Ave. from Maryland Ave. to point west, $462, 8 and 12 in. sewers in Holt Ave. from Kinnickinnic Ave. to point west, $775; from T. G. Holton, 345 27th Ave., 12 in. sewers in South Water St. from Barclay St. to point west, $422; from Clayton Constr. Co., 929 Hackett Ave., 8 and 10 in. pipe and 48, 60 and 66-in. monolithic concrete sewers, etc., in Hope St. from 27th St. to Atkinson Ave., $55,578.

Calif., Los Angeles—For Sect. 22, North Outfall sewer, 12,806 lin.ft. (1) 6 ft. semi-elliptical brick concrete pipe (2) 6 ft. semi-elliptical concrete pipe or (3) 6 ft. 6 in. precast concrete pipe, from R. E. Cooney, 214 South Norton Ave., (1) $200,000 (2) $187,000; from Visalia & Brkich Co., Douglas Bldg., (3) $392,000.

Calif., Oakland — City. Elmhurst Storm Sewer, rein.-con. box culvert and vitr. pipe conduit, from Heafey-Moore & McNair, 2030 High St., $164,275. Noted Apr. 30.

Calif., Porterville—Sewage disposal plant, vitr. sewers, and c.i. pipe connecting lines, etc., from H. A. Teget, Alhambra, $43,330. Noted Apr. 9.

CONTRACTS AWARDED

N. H., Manchester — L. B. Hoyt, surv. Dept. Highways City Hall, completing construction and installing for city Beach Street Intercepting Drain, incl. branch drain and appurtenances, to T. G. Jewett, Jr., Inc., 35 7th St., New Bedford, $114,968. Noted June 25.

Md., Baltimore—Mayor and City Council, 30,300 lin.ft. 8 in. vitr. sewer, 11,900 lin.ft. 5 and 6 in. house connections, etc. in Sewer Dist. H-6-2, Contr. 218, to N. Martell, 417 South Eden St., Baltimore, $102,951.

W. Va., Dunbar — Sewers in various streets, to A. Trainer & Son, 1128 9th Ave., Huntington, $60,000.

Miss., Columbus—See "Waterworks."

Ia., Centerville—M. G. Hall Co., engrs., Centerville, remodeling 58 x 165 ft. septic tank, 30 x 94 ft. sprinkle filter, sludge bed, etc., to W. B. Carter, 506 U. B. Bldg., Sioux City, $26,200. Engrs. est. $40,000. Noted June 4.

Tenn., Knoxville—Lonsdale Trunk Sewer, concrete, to Fisher & Calloway, Lenoir City, $53,048. Engrs. est. $75,000. Noted Mar. 19.

O., Akron — W. F. Peters, dir. Pub. Serv., **(e. e. means engrs. est.)** 17,620 ft. 8- to 18-in. vitr. clay sewer in Alton Dr. et al., and 12,520 ft. 8- to 18-in. in West Market St. et al., to L. Crano & Co., Peoples Savings & Trust Bldg., $54,412, and $48,993 respectively, e. e. $72,600 and $64,800 respectively; 270 ft. 39 in. brick and 400 ft. 8- to 14-in. vitr. clay sewer in South Main St., and 4,285 ft. sewer in Laffer Ave. et al., to W. McDowell & Sons Co., 4120 East 104th St., Cleveland, $10,479 and $22,461 respectively, e. e. $12,000 and $30,300 respectively. Grand total $136,345. Noted June 25.

O., Cincinnati—Hamilton Co., for (1) 165,626 ft. 6- to 12-in. vitr. clay sewer in Schedule A, and (2) sedimentation tanks and filter plant, Schedule B, in Sewer 3, Dist. 2, (Mt. Healthy, North College Hill and Steele's Subv'd), to Hammen Constr. Co., 4612 Woodward St., Detroit, Mich., (1) $421,743, engrs. est. $489,338, to F. Franz, Cincinnati Ave., North Bend, (2) $130,552, engrs. est. $134,462. Noted June 4.

Mich., Grand Rapids—July 22, by Director Pub. Serv., City Hall, constructing Marion-Lane Relief Sewer Project, Contr. Q-2. F. H. Locke, city mgr.; adv. E. N.-R. July 2.

Neb., Omaha — J. P. Hoctor, city clk., vibrolithic concrete or rein.-con. monolithic sewer in Dist. 923, to Omaha Sewer Constr. Co., 1805 Dodge St., $18,620; vibrolithic concrete sewer in Dist. 918, to Boyne Constr. Co., Omaha, $575; vibrolithic concrete sewer in Dist. 920 and vibrolithic concrete storm sewer in Dist. 826, to Humphreys Bros., 4420 Leavenworth St., $1,097 and $5,308 respectively; rein.-con. storm sewer in Dist. 837, to J. Jensen, 2625 Wirt St., $6,286. Grand total $31,886.

Waste Disposal

CONTRACTS AWARDED

Tex., Port Arthur — Owner, c/o J. P. Logan, mayor, incinerator plant, 35,000 ton capacity, to Superior Incinerator Co., Port Arthur, $45,500. Engrs. est. $50,000.

Bridges

PROPOSED WORK

N. H., The Weirs (Ind. Sta. Laconia)—Boston & Maine R.R. Co., North Station, Boston, Mass., plans rebuilding over pass bridge, on Daniel Webster Highway, here. To exceed $25,000. F. A. Merrill, ch. engr.

Mass., Boston — Dept. Pub. Wks., plans superstructure crossover for traffic at junction Tremont and Boylston Sts. $150,000. J. A. Rourke, comr.

W. Va., Charleston—Kanawha Co. election July 7, $1,750,000 bonds for 2 bridges, one $327,000 and other $451,000, balance for purchase 2 bridges already erected. C. P. Fortney, Charleston, engr.

North Carolina — State Hy. Comn., Raleigh, plans rein.-con. bridges and culverts on Project 395, Robeson Co. $55,000. C. M. Upham, highway engr.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys bridge over Tennessee River, on Memphis-Bristol Highway, near Trotters Landing. $750,000-$1,000,000. J. G. Creveling, highway comr.

Tenn., Knoxville—Voted $250,000 bonds viaduct at Bway. Southern R.R. Co., 1300 Pennsylvania Ave., Wash., D. C., will appropriate $250,000 toward cost. L. Brownlow, city mgr. B. Herman, ch. engr. railroad.

Tenn., Wartburg — See "Streets and Roads."

O., Barberton—Summit Co. (Akron) plans bridge over Mud Run, on High St., here. $26,000.

O., Kenmore—Election in August $35,000 bonds, viaduct over 27th St.

Mich., Rochester—Made tentative plans 1,200 ft. concrete and steel viaduct, 42 ft. G. C. Dillman, Lansing, engr.

Tex., Austin—Takes bids after July 6, 3 arch, 300 ft. rein.-con. bridge across Barton Springs, $25,000. Terrell Bartlett, Engineers, 612 Calcasieu Bldg., San Antonio, engrs.

Tex., San Antonio — Bexar Co., election soon $500,000 bonds, constructing bridge. A. McCloskey, San Antonio, co. judge. Noted Jan. 8.

Tex., San Diego — See "Streets and Roads."

Tex., Waxachie — See "Streets and Roads."

Tex., Wichita Falls—Election soon $200,000 bonds constructing viaduct over river and railway yards in conjunction with county, and for overhead and subway railroad crossing. $400,000. R. M. Rugely, city engr.

Oklahoma — State Hy. Dept., Oklahoma City, making preliminary plans 11 span 2,100 ft. steel truss bridge on concrete piers at Sand Springs, Tulsa Co., $300,000; 4 span 720 ft. steel truss bridge on concrete piers over Cimarron River, at Guthrie, Logan Co., $200,000. J. M. Page, high engr.

Washington—State Hy. Comn., Olympia, making plans two 200 ft. steel trusses or two 120 ft. and one 140 ft. rein.-con. open spandrel fixed arches, across Elwha River, on State Rd. 9, Clallam Co. J. W. Hoover, highway engr.

Calif., Santa Rosa — See "Streets and Roads."

BIDS DESIRED

N. Y., Auburn—July 14, by H. B. Jackel, city mgr., 60 ft. span rein.-con. bridge over Owasco Outlet, at Washington St. M. F. Dullea, city engr.; adv. E. N.-R. July 2.

N. Y., Rock Rift — July 14, Rock Rift Bridge between Walter and Tomokins, here. G. M. Carpenter, superv. town of Walton, J. Chamberlin, superv. town of Tompkins; adv. E. N.-R. July 2.

N. J., Perth Amboy—July 13, at office State Hy. Comn., Trenton, constructing Route 4, Sect. 33, Perth Amboy Bridge cutoff, etc., here, Middlesex Co. P. P. Costello, city clk.; adv. E. N.-R. July 2.

North Carolina—July 21, by State Hy. Comn., Raleigh, rein.-con. bridges and culverts on Project 889, Yancey Co., $30,000; on Project 851, McDowell Co., $50,000; and on Project 395, Robeson Co., $55,000. C. M. Upham, highway engr.

Wis., Manitowoc—July 20, by Bd. Pub. Wks., new double leaf bascule bridge over Manitowoc River, at 8th St. H. F. Kelley, pres.; Adv. E. N.-R. July 2.

Wis., Milwaukee—July 7, by Dept. Pub. Wks., R. Stoelting, comr., 1,100 ft. steel deck girder bridge, 78 ft., at Holton St. $800,000-$900,000. M. C. Cutler, City Hall, engr. Noted Apr. 23.

Kansas—July 8, by Clerk Woodson Co., Yates Center, Cooper Bridge, two 35 ft. deck girder spans with gravity abutments, 3 mi. north of Yates Center, and Spogy Bridge, 50 ft. deck girder span with rein.-con. abutments, about 2 mi. northwest of Neosho, both 20 ft. roadway. H. O. Ashley, Yates Center, engr.

Tex., Gonzales—See "Streets and Roads."

Tex., San Diego — See "Streets and Roads."

Tex., Wichita Falls—See "Streets and Roads."

Colorado—July 9, by State Hy. Dept., Denver, bridges and approaches on 0.0104 mi. Montrose-Ouray Highway, Federal Aid 293-A, Montrose Co. $25,000. L. D. Blauvelt, State Office Bldg., engr.

Calif., San Francisco — July 22, by Bd. Pub. Wks., replacing present bridges at Mt. Vernon and San Jose Aves. for city and San Francisco Co. $175,000. M. M. O'Shaughnessy, city engr. Noted Mar. 26.

Ont., Welland—July 20, by J. W. Pugsley, secy. Dept. Rys. & Canals, Ottawa, superstructures and machinery for 4 bascule bridges, over Welland Ship Canal, here. $1,000,000.

BIDS RECEIVED

Rhode Island—State Bd. Pub. Wks., State House, Providence, constructing bridge 3 known as Apponaug Bridge in Warwick, from F. T. Wescott, North Attleboro, Mass., $8,460; Bridge 19, known as Silver Spring Mill Bridge, in North Kingstown, from J. D'Aloria, Franklin, Mass., $5,900; Bridge 139, known as New Harbor Rd. Bridge, New Shoreham, from W. V. Polleys, East Providence, $9,000; Bridge 170, the Leland Bridge, in Burrillville, from G. F. Austin, East Greenwich, $2,190; Bridge 201, the Pontiac Ave. Bridge, Cranston, from T. Mulcare, Inc., Cambridge, Mass., $7,378; Bridge 202 Farnum Bridge, North Smithfield, from G. F. Austin, East Greenwich, $3,275. Noted June 11.

New Jersey—State Hy. Comn., Trenton, June 22, 2 concrete bridges on Route 2, Sect. 8, between Bridgeboro and Pensauken Creek, Burlington Co., from J. M. Everett, Hackettstown, $17,183. Noted June 4.

Ohio — Dept. Hys. & Pub. Wks., Columbus, June 19, rein.-con. through arch bridge on Piqua-Urbana Rd., Miami Co., from Stout & Stout, Stoutsville, $129,942; concrete substructure and steel superstructures, on Sect. "E-Bridge" Canton-Canal Dover Rd., Tuscarawas Co., from Brookville Constr. Co., Brookville, $33,843.

Ohio—See "Streets and Roads."

Illinois—Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, one 40 ft. and one 55 ft. concrete girder bridges, Route 1, Sect. 43-A, Saline Co., from C. Barth, Marion, $10,700, one 20 ft. concrete slab and one 42 ft. concrete girder bridges, Route 3, Sect. B, Morgan Co., from Herrick Constr. Co., Carlinville, $11,204, two 40 ft. span overhead crossing, and three 50 ft. span concrete girder bridge, Route 7, Sect. S, Bureau Co., from F. T. Smith, Tipton, Ia., $22,441, three 43 ft. girder overhead crossing, Route 23, Sect. 26-V, DeKalb Co., from G. C. Fairclo, Watseka, $11,283, seven 40 ft. span concrete girder bridge, Route 32, Sect. 4-B, Moultrie Co., from Dees Bros., Oblong, $31,251, one 24 ft. and one 40 ft. concrete girder spans Route 36, Sect. 2-B, Hancock Co., from F. Wustholz, Claytonville, $9,804, one 24 ft. concrete slab bridge, four 45 ft. and one 58 ft. concrete girder spans, Route 40, Sect. 10-B, Jo Daviess Co., from B. B. Wustholz, Claytonville, $32,726; sidewalks for bridge on Route 6, Sect. 2-K, DuPage Co., from Joliet Bridge & Constr. Co., Joliet, $1,434. Noted June 18.

Ark., Beaver — C. A. Fuller, engr., Eureka Springs, June 13, three 115 ft. steel truss spans on rein.-con. piers over White River, here, from M. P. Orr, Harrison, for City. $19,800. Noted June 4.

Tex., Dickens—See "Streets and Roads."

Tex., Linden—See "Streets and Roads."

CONTRACTS AWARDED

Massachusetts—See "Streets and Roads."

North Carolina — State Hy. Comn., Raleigh, concrete bridges and culverts on Project 405, Chatham Co., to J. S. Bowers, Whiteville, $48,651. Noted June 25.

Alabama—State Hy. Dept., Montgomery, bridge on State Project 20, Lamar Co., to S. J. Cummins, Gadsden, $35,703.

La., Bastrop — Police Jury Morehouse Parish, timber trestle bridges on Projects 7-B and 17-B, to Vincennes Bridge Co., Vincennes, Ind., $12,575; material for above, to Long Bell Lumber Co., Longview, Wash., $12,991. Noted May 28.

O., Dayton—City, G. F. Baker, dir. Pub. Serv., bridge over Wolf Creek, at Bway., to E. S. Smith, Summit St. Bridge, $132,000. Noted June 4.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, bridge on Route 5, Sect. 20-B, Stephenson Co., to W. H. Shons Co., 11 South Liberty St., Freeport, $5,871; bridge on Route 13, Sect. 13-B, Jackson Co., to Kentucky Bridge Co., and N. E. Stone, Madisonville, Ky., $39,809; bridge on Route 33, Sect. 6-B, Jasper and Effingham Counties, to C. J. Moritz, Effingham, $28,454. Grand total $74,134. Noted May 28.

Kan., Wellington—Sumner Co. will build four 20 ft. span rein.-con. low water bridge, 20 ft. roadway over Buff Creek, by day labor. J. M. Mavity, Court House, engr.

Tex., Anderson—See "Streets and Roads."

Tex., Arthur City—Lamar Co. (Paris), Tex. and Choctaw Co. (Hugo) Okla., 4 steel timber pile approach span 0.1719 mi. bridge across Red River, near here, to Austin Bridge Co., 1815 Clarence St., Dallas. Engrs. est. $147,000. Noted May 28.

Tex., Dickens—See "Streets and Roads."

Tex., Gatesville — See "Streets and Roads."

Tex., Huntsville — See "Streets and Roads."

Tex., Linden—See "Streets and Roads."

Tex., Palestine—See "Streets and Roads."

Tex., San Antonio—Bexar Co. rein.-con. deck girder bridge across San Antonio River, on St. Marys Street, to McKenzie Constr. Co., Travis Bldg., $30,500. Engrs. est. $26,000.

Tex., Vernon—J. A. and J. I. Staley, Staley Bldg., Wichita Falls, 1 mi. creosoted pile trestle bridge, across Red River, north of here, Wilbarger Co., to Austin Bridge Co., 1815 Clarence St., Dallas, approximately $145,000. Engrs. est. $150,000.

Oklahoma — State Hy. Dept., Oklahoma City, **(e. e. means engrs. est.)**, 1 span 120 ft. steel truss and concrete bridge at Delaware, Nowata Co., 59.5 tons truss steel, 9.65 tons reinforcing, etc., to W. F. Troebe, Muskogee, $22,840 e. e. $25,000; 2 span 116 ft. steel truss and concrete bridge at Duncan, Stephens Co., 12.4 tons truss steel, 5.85 tons reinforcing 1,820 ft. woodpiling, etc., to Woodward Constr. Co., Ponca City, $27,695 e. e. $29,000; 3 span 180 ft. steel truss and concrete bridge at Baron, Adair Co., 126 tons truss steel, 146 cu.yd. concrete slab, 15,150 cu.yd. earth embankment, etc., to Pioneer Bridge Co., New York LifeBldg., Kansas City, Mo., $34,291 e. e. $41,467; 2 span 140 ft. steel truss bridge on concrete piers, 81 tons steel truss, 17.8 tons reinforcing, 99 cu.yd. concrete slab, etc., to L. Johnson, Muskogee, $20,880 e. e. $25,000. Noted June 11.

Oklahoma—See "Streets and Roads."

California — State Hy. Comn., Sacramento, **(e. e. means engineer's estimate)**, two 60 ft. and two 34 ft. span rein.-con. girder bridge, across Truckee River, at Prosser Creek, also one 57 ft., one 30 ft., and two 42 ft. span rein.-con. girder bridge, across Southern Pacific R.R. tracks, at Hinton, both 21 ft., Nevada Co., to T. H. and M. C. Polk, Chico, $23,095 and $18,825 respectively, e. e. $23,785 and $21,819 respectively; one 144 ft. and two 40 ft. span bridge across Truckee River, near Boca, Nevada Co., to Rocca & Caletti, San Rafael, $30,191 e. e. $33,546; 2 rein.-con. bridges, 24 ft., one over Villa Creek, Pismo, and other over Southern Pacific R.R. tracks, near Pismo, San Luis Obispo Co., to J. L. Webster, Chico, $44,802 e. e. $47,427. Grand total $98,088. Noted June 4 and 25.

Dams

PROPOSED WORK

Okla., Bernice—See "Buildings—Industrial."

BIDS DESIRED

Tex., San Antonio — July 27, by J. W. Tobin, mayor, at office City Clerk, City Hall, constructing Olmos Creek Detention Dam and appurtenances; adv. E. N.-R. July 2.

Calif., Merced—July 28, by H. P. Sargent, secy. Merced Irrigation Dist., Barcroft Bldg., 14 sets gate operating gearing. To exceed $15,000. Noted May 7.

Dams (Continued)

BIDS RECEIVED

O., **Hinkley** (mail Brunswick)—Bd. Park Comrs. of Cleveland Metropolitan Park Bd., West 3rd and Frankfort Ave., Cleveland, rein.-con. dam, here, from Forschner Co., East 10th St. and St. Clair Ave., Cleveland, $80,605. Noted June 18.

CONTRACTS AWARDED

Wis., Burkhardt — Willow River Power Co., A. R. Schultz, pres., Hudson, rein.-con. and steel dam and hydro-electric power plant, on Willow River, to Siems, Helmers & Schoffner, Guardian Life Bldg., St. Paul, Minn. Engrs. est. $40,000. Noted May 21.

Railways

PROPOSED WORK

Montana — Great Northern Ry. Co., St. Paul, Minn., plans etxending Bainville-Scobey branch, approximately 50 mi. from Scobey to Opheim, in Montana. A. H. Hogeland, ch. engr.

Texas—Gulf Coast Lines, L. W. Baldwin, pres., 4931 Lindell Blvd., St. Louis, Mo., made surveys 29.3 mi. railroad between Raymondville and Edinburg, here, with 20 mi. of branch and feeder lines, grading, bridging, tracklaying and ballasting. C. S. Kirkpatrick, Union Sta. Bldg., Houston, ch. engr.

Washington—H. E. Brown, pres. Cowlitz, Chehalis & Cascade Ry. Co., Chehalis, takes bids about July 15, 14 mi. railroad extension from Lacamas to Mossy Rock, also in market for iron rails, 2 new engines, etc. $350,000. R. W. Sweet, ch. engr.

California — City of San Francisco Co., rejected bids extending Sunset Line of Municipal Railway, in San Francisco. $28,743. Noted June 11.

CONTRACTS AWARDED

Wisconsin — Minneapolis, St. Paul & Sault Ste. Marie Ry. Co., Soo Line Bldg., Minneapolis, Minn., making plans railroad yards trackage on Stimson Ave., in Superior, here. $85,000. Work will be done by day labor. E. A. Whitman, ch. engr.

British Columbia—**Canadian Pacific Ry. Co., Windsor St., Montreal, Que., constructing diversion on Kettle Valley Ry. and filling in along trestle bridge, at Pentidon, to Dawson, Wade & Co., Behins Bldg., Vancouver, $50,000.**

Excavation, Drainage, Irrigation, Levees

PROPOSED WORK

Calif., Compton—Plans channel improvements. $25,000. J. W. Reagan, Hall of Records, engr.

Calif., Glendale — Bd. Supervs. Los Angeles Flood Control, takes bids about July 9, rein.-con. box storm drain, and straightening channels. $166,565. J. W. Reagan, Hall of Records, engr.

Calif., Inglewood—Plans election $50,000 bonds, drainage improvements.

Alta., Calgary—Magrath Irrigation Dist., Magrath, plans 135,000 yd. canal excav., 300,000 ft. timber structures, miscellaneous concrete and timber structures, here. $79,000. P. H. Morgan, Dom. Water, Power & Reclamation Serv., Calgary, engr.

BIDS DESIRED

Louisiana—July 7, by State Hy. Comn., Reymond Bldg., Baton Rouge, constructing changing Amite River Channel change, 1,000 ft. long, State Project 480, East Baton Rouge Parish, 26,000 ft. excav., alternate bids on 18,000 cu.ft. excav., etc. W. B. Robert, highway engr.

Calif., Tracy — July 11, by Directors Banta-Carbona Irrigation Dist., 40 mi. distributing lateral system, 80,000 cu.yd. excav., 610 r.w. timber checks and drops, and 300 timber turnouts. W. D. Harrington, Tracy, engr.

BIDS RECEIVED

Calif., Richmond—Dredging 93,000 cu.yd. in inner harbor, from San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, at $0.26 per cu.yd. Noted June 18.

CONTRACTS AWARDED

Minn., Granite Falls—G. H. Wilson, aud. Yellow Medicine Co. (Granite Falls), and R. D. Houderscheidt, aud. Lyon Co. (Marshall), excavating and tiling Judicial Ditch 14, approximately 48,100 lin.ft. 7-20 in. tile and 3,435 ft. 30-32 in. double strength, 1 bulkhead, 15 intakes ,etc., to Peterson & Hemmingson, Tracy, $39,000. Noted Apr. 16.

Streets and Roads

PROPOSED WORK

R. I., Providence — Dept. Pub. Wks. plans asphalt resurfacing Academy Ave., Kenyon and Brighton Sts. $25,000. W. F. Slade, comr.

Mass., Boston — Plans reconstructing Bromfield, Cooper, Margaret, Sheafe and Henchman Sts. $28,900 appropriated. J. A. Rourke, comr. Dept. Pub. Wks.

Mass., Cambridge — Plans reconstructing Grozier Rd., Myrtle Ave., Eustis, Blackhall and Beaver Sts., $25,000 appropriated; also Bway., Huron Ave., Grant and Kirkland Sts., $100,000 appropriated. Private plans.

Mass., Chelsea — Voted $75,000 bonds bitulithic paving various streets.

Mass., Revere — Plans reconstructing Shireley Ave., and granolithic sidewalks on various streets. $25,000. Private plans.

W. Va., Charleston—Kanawha Co. election July 7, $200,000 bonds improving various roads in Charleston Dist. R. R. Barber, Charleston, engr.

North Carolina—State Hy. Comn., Raleigh, plans clearing, grading and surfacing 22.1 mi. roads in Durham, Wake, Rockingham and Alexander Counties, $143,000; clearing, grading, concrete or asphalt paving, etc., 46.942 mi. roads in Hyde, Washington, Franklin, Granville, Rutherford, Catarrus and Randolph Counties, $1,400,800; clearing and grading, etc., 30.418 mi. roads in Robeson, Yancy and McDowell Counties, $325,000; clearing, grading, topsoiling, etc., 13.73 mi. roads in Hoke Co., $62,000. C. M. Upham, highway engr.

North Carolina — State Hy. Comn., Raleigh, rejected bids June 9, clearing, grubbing, etc. 8.92 mi. Project 105-E, Beaufort Co.; and 7.58 mi. Project 246, Jones Co., $328,554. Will readvertise. C. M. Upham, engr.

N. C., Raleigh—Plans asphaltic on concrete paving portions of about 40 additional streets. $500,000. C. C. Page, Raleigh, comr. Pub. Wks.

Miss., Blue Mountain—Tippah Co. voted $75,000 for hardsurfacing various roads. Noted June 4.

Miss., Corinth—Alcorn Co. plans improving road to Tippah Co. line.

Miss., Starkville — Oktibbeha Co. plans election $450,000 bonds complete highway system.

Tennessee — State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 15 mi. Murfreesboro-Shelbyville Rd., Rutherford Co. J. G. Creveling, highway comr.

Tenn., Greeneville — Greene Co. plans improving various roads. $75,000. D. W. Harmon, Greenville, engr.

Tenn., Knoxville—Plans improving various streets. $500,000 bond issue contemplated. B. A. Morton, mayor.

Tenn., Milan—Making surveys permanent paving various streets. $100,000. L. O. Brayton, Dyersburg, consult. engr.

Tenn., Wartburg—Morgan Co. and State Dept. Hys. & Pub. Wks., Nashville, making surveys improving 5 mi. Pilot Mountain-Wartburg Rd., incl. bridges, etc. J. G. Creveling, Nashville, highway engr.

Ohio—Dept. Highways & Pub. Wks., Columbus, cancelled bids June 19, grading, etc., 4.85 mi. Sect. "H" Jackson-Ironton Rd., Lawrence Co., $88,334, 4.007 mi. Sect. "I" same road $55,160, and 4.308 mi. Sect. "J" same road $43,920; brick widening 0.778 mi. Sect. "A" Toledo-Elmore Rd., Lucas Co.; paving 1.136 mi. Toledo-Elmore Rd., Lucas Co., brick, incl. brick $77,171, state to furnish brick $65,250, sheet asphalt and brick, incl. brick $77,484, sheet asphalt and brick, state to furnish brick $76,374.

O., Akron—Summit Co. plans improving Munroe Falls-Kent Marsh Rd., $27,500; South Main St., $27,500; and Cuyahoga Falls-Magadore Rd., $78,500. R. E. Willems, Court House, engr.

O., Canton—Plans improving 1 mi. Clarendon Ave. S. W., 50 ft. $75,000 to $85,000; and Park Ave. S. W., $60,000. W. E. Sarver, City Hall, engr.

O., Kenmore—Plans brick paving 3,600 ft. Lincoln Ave., 40 ft. $60,000.

Ind., Auburn—Dekalb Co., plans grading and graveling 3.1 mi. Shilling Rd., 30 ft. $26,000. C. Kain, Auburn, engr.

Mich., Detroit—Made plans grading, curbing and 3½ in. sheet asphalt on 8 in. concrete paving, 25,323 sq.yd. Wyoming Ave., 1,752 sq.yd. Cutler St., 793 sq.yd. Rich Ave., 8,853 sq.yd. Kentucky Ave., 1,179 sq.yd. Pittsburgh Ave., 15,078 sq.yd. Connors Ave., 2,317 sq.yd. Morley Ave., and 20,482 sq.yd. State Fair Ave. P. A. Fellows, city engr.

Mich., Ecorse — Making plans curbing and one course concrete paving 30,000 sq. yd. 6th St., etc. $100,000. M. L. Brown & Son, 405 Capitol Bldg., Detroit, engrs.

Ill., Belleville—Soon takes bids grading, curbing and concrete surfacing Roland Ave., 33rd, 35th and 34th Sts. $55,000. C. A. Hinzleman, City Hall, engr. Noted June 18.

Ill., Kewanee — Plans grading, curbing and rein.-con. granite top, brick or Warrenite bitulithic surfacing 6 blocks Division, Henry and Vine Sts., 26 and 30 ft. $35,000. J. G. Palmer, City Hall, engr.

Ill., Lincoln — Plans grading, curbing, paving, etc., 4 blocks College St., 40 ft. $30,000. W. W. Miller, alderman.

Ill., Wheaton—Soon takes bids grading, curbing and concrete surfacing 21,000 sq. yd. various streets in Paving Dist. 1. Wells Eng. Co., Geneva, engrs.

Minn., Minneapolis—Hennepin Co. making plans grading, gravel surfacing, etc. 4 mi. Parkers Lake Rd., Long Lake Rd., State Aid Rroad 17, also 4 mi. Long Lake-State Rd. 10. $45,000 each. J. W. Shaffer, co. surv.

Kan., Howard—Elk Co. soon takes bids grading, etc., 8.692 mi. Federal Aid Project 297-A, 26 ft. C. B. Alexander, Howard, engr. Noted Apr. 2.

Mont., Butte—Making plans paving approximately 48,000 sq.yd. district between Park and Gold Sts. and across streets between Montana and Jackson Sts. $125,000. H. J. Weigenstein, city engr.

Missouri — B. Altheimer & Bros., Wainwright Bldg., St. Louis, making preliminary plans sidewalks, concrete paving, sanitary sewers and water mains in 1,200 lot subdivision in Weber Tract, Page Ave. and Woodson Rd., in St. Louis Co. (Clayton) just outside city limits. $250,000. Private plans.

Mo., Clinton — Soon takes bids concrete paving various streets. $25,000. E. T. Archer & Co., 609 New England Bldg., Kansas City, engrs.

Tex., Amarillo—Randall Co. voted $30,000 bonds improving about 6 mi. highway in Rd. Dist. 4. Address County Judge, Amarillo. Noted Apr. 16.

Tex., Bastrop—Bastrop Co., election soon $25,000 bonds grading and surfacing 3 mi. Giddings-Waelder Highway. A. Schafli, Bastrop, div. engr.

Tex., Big Springs—Election July 17, $60,000 bonds, paving various streets. J. W. Middleton, city secy. Montgomery & Ward, 1016 City Natl. Bank Bldg., Wichita Falls, engrs. Noted June 4.

Tex., Brownfield—Terry Co. voted $200,000 bonds hardsurfacing about 14 mi. road radiating from here. H. P. Winston, judge. Noted June 4.

Tex., Carthage—Panola Co., election soon $50,000 bonds improving highway in Midyett Dist. Titus & Dillon, Carthage, engrs.

Tex., Cleburne—City, c/o W. H. Goldsmith, mayor, plans paving Angelin St. to northern city limits. $30,000. Engineer not announced.

Tex., Corsicana—Navarro Co. defeated $7,000,000 bonds hardsurfacing various roads. Noted June 4.

Tex., Harlingen—Voted $132,000 bonds, permanent paving various streets. Address Mayor. Noted June 4.

Tex., Haskell—Haskell Co. election soon, $950,000 bonds, improving about 40 mi. highway radiating from here. J. G. Foster, Haskell, judge.

Tex., Lampasas—C. Rice, city engr., takes bids about July 5, asphalt surfacing 48,000 sq.yds. various streets. $110,000.

Tex., Lubbock—Election July 2, $50,000 bonds paving various streets. J. R. Germany, city secy. Engineer not announced.

Tex., Orange—Orange Co., election soon, $70,000 bonds, surfacing and grading 10 mi. Vidor-Evadale Rd. and 2 mi. Terr-Doty Rd. J. E. Johnson, Lutcher-Stark Bldg., engr.

Tex., Richmond — Ft. Bend Co. voted $785,000 bonds constructing various roads. C. H. Kendall, Sugarland, co. engr.

Tex., San Diego—Duval Co., plans grading and bridging 13.33 mi. State Highway 12-A, Federal Aid Project 424-F, 26 ft. $70,300. F. E. Hess, Medical Arts Bldg., Dallas, engr.

Tex., San Diego—Duval Co. takes bids after July 1, grading and bridging 13.33 mi. State Highway 12-A, Federal Aid Project 424-F. $70,300. F. E. Hess, San Diego, engr. Noted May 7.

Tex., Texas City—Election July 20, $130,000 bonds paving various streets. Address City Secretary.

Tex., Waxahachie—Ellis Co., plans grading and bridging 4.08 mi. State Highway 6, 26 ft. Federal Aid Project 487-C, 26 ft. $26,600. W. A. Spalding, Waxahachie, co. engr.

Okla., Drumright — Making plans grading and concrete paving 8,600 sq.yd. Hill Side and Creek Ave. $34,000. Peckham & James, 227 West Grand Ave., Oklahoma City, engr.

Streets and Roads (Continued)

Okla., Oklahoma City — Making plans grading and sheet asphalt paving 6,200 sq. yd. Lottie Ave. and 16th St. $30,000. B. Hart, City Hall, engr.

California — State Hy. Comn., Sacramento, rejected bids June 15, bituminous seal coat surfacing 15.7 mi. road between Auburn and point 3 mi. north of Colfax, Placer Co. Work will be done by day labor. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Bakersfield—Made plans improving portions of Sunset Ave., California and C Sts., etc., 173,218 sq.ft. grading, 13,556 sq.ft. concrete guttering, 878 lin.ft. concrete curbing, 173,218 sq.ft. 1½ in. Warrenite bitulithic on 3½ in. asphaltic concrete surfacing, etc. To exceed $40,000. W. D. Clark, city engr.

Calif., Bakersfield — Kern Co., plans widening river road from Democrat to Bodfish. $27,000 appropriated.

Calif., Glendale—Made plans improving San Fernando Rd. from south to north city limits, 1,468,972 sq.ft. grading, 1,259,520 sq.ft. 8 in. concrete paving, etc. $450,000. J. F. Johannsen, city engr.

Calif., Ingelwood—Plans election $350,000 bonds, street improvements.

Calif., Marysville—Made plans grading, curbing, guttering, 1½ in. Warrenite bitulithic on 2½ in. asphaltic concrete paving 146,000 sq.ft. Yuba, Swezey, 10th Sts., etc., in Dist. 25. L. B. Crook, city engr.

Calif., Redwood City—San Mateo Co. making plans curbing, guttering and 2 in. Durite asphaltic concrete on 6 in. rock macadam surfacing Wallbridge St., San Bruno Ave., etc. $75,000 or more. G. A. Kneese, Courthouse, engr.

Calif., Sacramento—Sacramento Co. plans election $500,000 bonds, for primary road system. C. Deterding, Jr., Sacramento, co. surv.

Calif., San Bernardino — Making plans concrete paving approximately 0.3 mi. various streets. C. E. Johnson, city engr.

Calif., San Rafael — Marin Co. making plans improving Rd. Dist. 11, 7,904 cu.yd. grading, 78,844 sq.ft. subgrading, 8,620 lin. ft. concrete curbing and guttering, 1,200 tons asphaltic concrete paving, 76,884 sq.ft. Willite asphaltic concrete surfacing, and 6,097 ft. 4- to 6-in. vitr. pipe, etc. C. W. Oglesby, San Rafael, co. surv.

Calif., Santa Rosa—Sonoma Co. making plans improving approximately 20 mi. Rd. Dist. 3, 16,049 ft. asphaltic macadam and 78,690 ft. crushed rock macadam paving, bridges, etc. $250,000. J. P. Platt, Rosenberg Bldg., engr.

Ont., Meaford — City Council plans cement paving Nelson St. $40,000.

BIDS DESIRED

Massachusetts—July 7, Dept. Pub. Wks., Boston, bituminous macadam surfacing 1,485 ft. highway, 18 ft. in North Andover, and 5,207 ft. highway in Dracut; bituminous concrete surfacing 6,438 ft. highway in Nantucket; bituminous macadam paving and rein.-con. bridge on 2,351 ft. highway in Harvard; gravel surfacing and steel bridge on 3,400 ft. highway in Tolland and Sandisfield. W. F. Williams, comr.

N. Y., Long Island City—July 9, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., curbing, recurbing, reflagging and sheet asphalt on concrete surfacing Gamma Pl., Van Alst, and 6th Aves., Welling and Fremont Sts.; regrading, curbing and flagging Beach Channel Dr. from Beach 116th to Beach 95th Sts., Park Lane and 102nd Rd., King Pl., Bell Blvd., Marbel and Stratton Aves., St. James, 87th and Caspian Sts.; grading, sidewalks and second hand granite surfacing Marion St.; granite block surfacing Ely Ave.; constructing public beach along ocean front from Beach 58th to 109th Sts.

N. J., Carteret—July 6, by Boro. Council, sheet asphalt paving ¾ mi. Emerson, Lincoln and McKinley Aves. O. Mitchell, Raritan Bldg., Perth Amboy, engr.

N. J., Hopewell—July 6, by Twp. Com., bituminous penetration macadam paving 34,258 sq.yd. Pennington-Princeton Rd. D. M. Voorhees, clk.

N. J., Lambertville — July 14, by Freeholders Hunterdon Co. (Flemington), rock asphaltic paving 1.1 mi. road from Lambertville to Merced Co. line above Trenton, here. G. Davis, Whitehouse Station, engr.

Pa., Phila.—July 7, by Bureau Highways, Dept. Pub. Wks., (Schedule A) grading, 73,105 cu.yd. 8 streets; (Schedule B) asphalt paving 100,611 sq.yd. 19 streets; (Schedule C) country road improving 12,195 sq.yd. 5 streets; (Schedule C) redressed granite block repaving 4,104 sq.yd. 1 street; (Schedule E) furnishing granite block to pave 7,200 sq.yd. 16th St. B. H. Biles, dir.

Md., Baltimore—July 8, by Bd. Awards, sheet asphalt paving 10,340 sq.yd. streets in Contr. 294-OAOC, and 12,200 sq.yd. streets in Contr. 293-OANA. L. G. Turner, acting chn. Paving Comn., Lexington St.

W. Va., Wheeling—July 9, by Ohio Co., grading and vitr. brick surfacing, etc., 2,900 sq.yd. Memorial Blvd. $360,000. A. C. Hoffman, Wheeling, engr

North Carolina — July 21, by State Hy. Comn., Raleigh, clearing, grubbing, grading and concrete or asphalt paving 46.958 mi. roads in Hyde, Washington, Franklin, Granville, Randolph, Catarrus, and Rutherford Counties, $1,447,758; clearing, grubbing and grading, etc. 30.425 mi. roads in Yancey, McDowell and Robeson Counties, $325,000; clearing, grubbing, grading and top soiling, etc. 13.73 mi. road in Hoke Co., $62,000. C. M. Upham, highway engr.

Florida—July 21, by State Rd. Dept., Tallahassee, clearing, grubbing and grading about 8 mi. Project 586, Rd. 1, in Jackson and Washington Counties, lime rock base on prepared subgrade paving 4.62 mi. Project 613, Manatee Co.; steel deck girder underpass on concrete abutments, under Seaboard Air Line R. R., on Project 37-B, south of Gainesville, Alachua Co. J. L. Cresap, highway engr.

Fla., Hillcrest Heights—July 7, by Town Council, G. Chute, mayor, paving portion Britton St. $31,500. C. P. Selden, city clk.

Fla., West Palm Beach—July 8 by City Comn., grading sidewalks and paving certain streets. F. B. Henry, city engr.; adv. E. N.-R. July 2.

Miss., Yazoo City — July 14, by Bd. Supervs. Yazoo Co., c/o H. L. Clark, chancery clk., improving 3.317 mi. Federal Aid Projects 68-B and 64-A, Yazoo and Holmes Counties, 16.16 acres clearing and grubbing, 16,420 lb. reinforcing, 17,737 units gravel ¾ mi. overhaul and 7,351 cu.yd. gravel 1 mi. overhaul, 3.209 mi. Bermuda sod, 41,386 ft. creosoted and 1,870 ft. untreated timber, 32,680 lb. structural steel, etc. H. C. Dietzer, Jackson, engr.

Louisiana—July 16, by State Hy. Comn., Reymond Bldg., Baton Rouge, graveling 1.59 mi. Project 479, 21st Ave., Asia, and Boston Sts., State Project 479, in Covington, St. Tammany Parish; also 6.98 mi. Farmerville-Monroe Highway Project 451 A, and 14.68 mi. Farmerville-Bastrop Highway, Project 452-A, both Union Parish, W. B. Robert, highway engr.

La., New Orleans—Sept. 22, by City, concrete surfacing various streets. G. Ferrier, Jr., city engr.

La., New Orleans — Sept. 24, by City graveling various streets. G. Ferrier, Jr., city engr.

O., Akron—July 13, by Comrs. Summit Co., grading, and traffic bound slag paving, etc. 4.26 mi. Comet Rd., $45,500, grading, curbing, sidewalks and vitr. brick paving 4,500 sq.yd. Noah Ave. $41,000, 5,000 sq.yd. Noble Ave. $44,000, 7,550 sq.yd. Dayton St. $57,000, 5,800 sq.yd. Richfield-Hudson Rd. $111,000, 900 sq.yd. Clay Dr. $6,200 and 900 sq.yd. Getz St. $7,450, grading, laying sidewalks and cindering 800 cu.yd. Baird St. $12,000. E. A. Kemmler, Delaware Bldg., engr.

O., Cleveland—July 8, by Comrs. Cuyahoga Co., curbing, guttering, grading and sheet asphalt paving 30,340 sq.yd. Cedar Rd. 4. $233,500. F. Lander, Court House, engr.

O., Cleveland—July 8, paving Forest Court, S. E., Lucknow Ave. N. E., Mapleside Ave. S. E., and Methyl Ave. S. E., East 43rd, 129th, 143rd, 144th, 146th, West 80th, 99th, 105th, 136th, 155th and 158th Sts. $200,000. R. Hoffman, City Hall, engr.

O., Cincinnati—July 10, by Director Pub. Service, grading, granite block paving, etc., 7,000 sq.yd. Carr St., $95,556, and 2,685 ft. 8th St., $90,593. F. Krug, City Hall, engr.

O., Euclid—Taking bids grading, paving and stone or cement sidewalks on Cut Rd., Forestview and Arms Aves., East 216th and 265th Sts. To exceed $25,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., New Philadelphia—July 10, by Comrs. Tuscarawas Co., improving 0.6 mi. main highway between Shanesville and Holmes Co. line. $27,000. E. Stingel, New Philadelphia, engr.

Ind., Bicknell — July 6, by City, M. Hollingsworth, City Clk., improving various streets, 14,500 sq.yd. brick, asphalt or concrete paving 3,000 sq.yd. concrete sidewalks, 1,200 lin.ft. combined curb and gutter, and about 8,500 ft., 12- to 30-in. sewer. R. E. Lind, city engr.

Ind., Bloomington—July 7, by H. Chestnut, engr. Bloomington, grading and graveling 3.4 mi. Duval Rd. $26,200, and 3.3 mi. Whisenand Rd., $25,500, for Monroe Co

Ind., Liberty—July 7, by S. Moore, engr. Liberty, grading and graveling 3.5 mi. Newkirk Rd., 30 ft., for Union Co. $27,063.

Michigan—July 17, by State Hy. Dept. at office Bd. Comrs. Barry Co., Hastings, concrete paving 1.263 mi. Trunk Line 79-3, Sect. A, in village of Nashville. G. C. Dillman, Lansing, highway engr.

Mich., Monroe—July 6, paving several blocks various streets. F. M. Kressback, city clk.

Mich., Paw Paw—July 8, by Van Buren Co., gravel surfacing 1.597 mi. road.

Mich., Springwells — July 7, by B. P. Esper, city clk., curbing, guttering and concrete paving Michigan Ave. and Assessment Dists. 47, 74, 77, 79, 83, 84, 85. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., Detroit, engrs.

Illinois — July 6 (extended date), by Dept. Pub. Wks. & Buildings, Div. Highways, concrete surfacing, etc., 1.032 mi. Route 31, Sect. 16-A, Fulton Co.; 1,442 ft. guard fence on Route 1, Sect. 16-G, Lawrence Co., and 18,922 ft. on Route 12, Sect. 9-G, Clay Co., Portland cement, vitr. brick or bituminous macadam surfacing 6.6 mi. Route 2, Sect. 53, DeWitt Co. F. T. Sheets, ch. highway engr. Noted June 18.

Ill., Astoria—July 6 (extended date), by City concrete surfacing, etc. 1.032 mi. Route 31, Sect. 16-A, Fulton Co. W. A. Fuller Co., Railway Exch. Bldg., St. Louis, Mo., engrs. Noted June 18, under Illinois

Wisconsin—July 8, at Office 6, 213 South Barstow St., Eau Claire, grading and surfacing 4.97 mi. Menomonie-Eau Claire Rd., Federal Aid Project 381-A, Dunn Co., and 1.23 mi Menomonie-Elk Mound-Eau Claire Rd., Federal Aid Project 381-B, Chippewa Co J. T. Donaghey, Madison, highway engr.

Wis., Racine—July 6, by H. A. Nelson, comr. Pub. Wks., curbing and one course concrete paving 41,265 sq.yd. various streets.

Minn., Cannon Falls—July 6, by R. J. Goodwin, city clk., curbing, grading and various types paving 11,654 sq.yd. Mill St. $30,000. L. P. Wolff, 903 Globe Bldg., St. Paul, engr.

Neb., Bellevue—July 6, by City, c/o J. B. Kast, clk., grading, 3 and 4 in. gravel surfacing, etc., 22,850 sq.yd. streets in Dist. 2. $25,000. H. E. McClintock, Bellevue, engr.

North Dakota — July 9, by State Hy. Comn. and Comrs., Morton Co., at Court House, Manden, clearing and grubbing, etc, 9.372 mi. road from Mandan south, Federal Aid Project 251, and graveling, etc. 15.531 mi. road on Red Trail between Glen Ullin and Hebron, Federal Aid Project 260-B.

North Dakota—July 11, by State Hy. Comn. and Comrs., McLean Co., at Court House, Washburn, graveling, etc. 3.99 mi. road west of Turtle Lake, Federal Aid Project 62-B; 5.98 mi. road from Underwood east, Federal Aid Project 62-A; 4.978 mi. road from Wilton northwest, Federal Aid Project 63-B, and 10.463 mi. road from Garrison west, Federal Aid Project 57 A-B.

North Dakota—July 14, by State Hy. Comn. and Comrs. Burleigh Co., at Court House, Bismarck, grading, etc., 2.236 mi. road south of Sterling, Federal Aid Project 282-A, and graveling, etc. 5.581 mi. road on Red Trail, east of Bismarck, Federal Aid Project 174-A.

Mo., Clayton—July 8, by R. Jablonsky, engr. St. Louis Co., grading, curbing, rein.-con. paving 2,100 ft. Wells St. and Barnes Ave., 22 ft. $30,000.

Mo., Palmyra—July 9, by H. M. Howard, city clk., grading, curbing and concrete paving 10.5 blocks various streets. W. B. Rollins & Co., 521 Railway Exch. Bldg., Kansas City, engrs. Noted May 7.

Tex., Gonzales — July 14, by State Hy. Engineers, Austin, clearing, grubbing, grading and bridging 10.88 mi. State Highway 81, Federal Aid Project 440-E, $78,088; and 8.08 mi. State Highway 8, Federal Aid Project 440-D, $28,560, both in Gonzales Co. J. C. Irby, Gonzales, co. engr. Noted June 4.

Tex., Wichita Falls—July 6, by D. B. Sarten, judge Wichita Co., grading, surfacing and bridging 3.92 mi. Holliday-Park-Lake Rd., 16 ft. $85,000. J. M. Isbell, Wichita Falls, co. engr.

Colorado—July 9, by State Hy. Dept., Denver, graveling, etc. 0.1704 mi., Federal Aid Project 295-A, Conejos Co., $27,118, and 2.898 mi. Federal Aid 294-A, Montezuma Co., $26,335; grading and concrete paving 5.334 mi. Federal Aid 275-B, Douglas Co., $225,110; crushed rock sur-

Streets and Roads (Continued)

facing 2.007 mi. Federal Aid 261-F, Costillo Co., $28,000. L. D. Blauvelt, State Office Bldg., engr.

Calif., Berkeley—City Council taking bids grading, curbing, guttering, sidewalks, and 6 in. concrete paving 159,000 sq.ft. The Circle, Indian Rock Ave., etc. $150,000. A. J. Eddy, city engr.

BIDS RECEIVED

Maine—State Hy. Comn., State House, Augusta, concrete and bituminous macadam surfacing 3.77 mi. highway in York, from Bruno & Petitti, 18 Tremont St., Boston, Mass., $203,727; bituminous macadam surfacing 2.87 mi. highway in Windham and Raymond, from McCarthy & D'Alois, 42 Fairmont Ave., Newton, Mass., $57,900. Noted June 18.

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam surfacing 3,700 ft. highway, in West Stockbridge, and 10,748 ft. highway in Northfield, from Kelliher Bros., Turners Falls, $24,637 and $87,905 respectively; 1,700 ft. highway in Weston, from Middlesex Constr. Co., Framingham, $13,281; 525 ft. highway in Reading, from McDonough Co., Swampscott, $4,315. Noted June 18.

New York—R. K. Fuller, comr. Canals & Waterways, Albany, June 26, constructing pavements and completing approaches of bridge across Mohawk River, between Schenectady and Scotio, from J. W. Holler, Inc., Ft. Edward, $215,641. Engrs. est. $237,448. Noted June 4.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, June 24, from Cranford Co., 52 9th St., sheet asphalt resurfacing Canton Ave., etc., $26,227, sheet asphalt surfacing Park Pl., etc., $25,650; from Brooklyn Alcatraz Co., 407 Hamilton Ave., sheet asphalt surfacing East 17th St. $9,369, Kings Highway $245,629, from Uvalde Asphalt Paving Co., 1 Bway., New York City, Nostrand Ave. $6,366, from M. J. O'Hara, 717 65th St., Avenue P, etc., $28,640, 10th Ave. $3,046, 70th St. $2,973, 83rd St. $7,817, from B. Turecamo Contg. Co., 8706 Bay 12th St., Avenue P, etc., $15,500, 12th Ave. $11,194, curbing and sheet asphalt surfacing 65th St. $64,982; from M. J. McHale Contg. Co., 1250 Jefferson St., grading, curbing and flagging East 17th St., etc., $2,860; from F. C. Kohart, grading East 93rd St., etc., $1,782. Noted June 18.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., June 23, from Cleveland Trinidad Paving Co., Flushing, grading, curbing, sidewalks and asphalt surfacing 7th Ave. $35,838, and Flushing Ave. $77,525, from Uvalde Asphalt Paving Co., 1 Bway., New York City, 108th Ave. $17,768, 122nd St. $16,235, Hooker St. $14,876, sheet asphalt paving 88th Ave. $5,893; from C. H. Georgi, 15 Ely Ave., grading, curbing and sidewalks on Shaler St. $3,750; from W. J. Fitzgerald, 547 West 45th St., New York City, grading, curbing and paving within limits Queens Blvd., etc., $173,278, and regrading, curbing, etc., Queens Blvd. from 67th St. to Bway. $164,424. Noted June 18.

New Jersey—State Hy. Comn., Trenton, from Union Paving Co., 80th and Locust Sts., Phila., reconstructing Route 2, Sect. 8, Bridgeboro to Pensauken Creek, Burlington Co., 64,363 sq.yd. sheet asphalt $1.42 per sq.yd., total $83,028; from M. Staub, Pitman, constructing Route 4, Sect. 31 Tuckerton to New Gretna, Burlington and Ocean Counties, 19,810 cu.yd. excav. at $1.10 per cu.yd., 10.163 acres clearing and grubbing $100, 74,433 sq.yd. 8 in. rein.-con. paving $3.19, 69,412 sq.yd. graveling $0.40, total $303,510 Noted June 4.

Pennsylvania — State Hy. Dept., Harrisburg, June 23, **(R. means Route and A. means Application)** one course rein.-con. paving 48,640 ft. R. 142, Delaware-Montgomery Counties, from Public Service Production Co., 80 Park Pl., Newark, N. J. $440,575, 17,207 ft. R. 288, Sect. 2, A. 3056, Fayette Co., from Donora Constr. Co., Donora $168,591, 3,026 ft. R. 33 and 55, Huntington Co., from A. A. Bollinger, Huntington $42,351, 3,788 ft. R. 149 Lebanon Co., from Juniata Co., Empire Bldg., Phila. $33,925, 4,650 ft. R. 88, Warren Co., from Forness & Tower, Clean, N. Y. $51,952, 27,219 ft. R. 91, Sect. 5, A. 3367, Venango Co., from Rockford Constr. Co., Rockford, O. $210,652, 5,790 ft. R. 260, Blair Co., from B. L. McKillip, Hollidaysburg, $51,975; bituminous surface course on concrete or one course rein.-con., paving 35,784 ft. R. 140, Sect. 4, A. 3367, Schuylkill Co., from Capitol Constr. Corp., 1207 Cherry St., Des Moines, Ia. $297,142, 6,395 ft. R. 167, A 2195, Monroe Co., from Warren Bros., 9 Cambridge St., Boston, Mass., $104,707; grading, etc. 2,694 ft. R. 93, Forest Co., from J. E. Trunk, Clarion $20,630, 43,212 ft. R. 192 and 193, Fulton Co., from W. W. Harper Constr. Co., Franklin, W. Va. $89,699. Noted June 11.

PAVING—BATON ROUGE, LA.

Bids were opened by City, May 5, for improving various streets. (A) R. G. Lassiter, Raleigh, N. C. (awarded contract); (B) Craven & Lang; (C) Dunn Construction Co. The unit bids are as follows:

	A	B	C
2 in. warrenite bitulithic, per sq.yd	$1 51	$1 53	$1 63
2 in. asphaltic concrete, per sq.yd	1 27	1 23	1 25
2½ in. sheet asphalt, per sq.yd	1 45	1 38	1 48
5 in. concrete base, per sq.yd	1 12	1 22	1 19
Excavation, per cu.yd	42	65	68
Straight curb and gutter, per lin.ft	65	74	88
Circular curb and gutter, per lin.ft	85	1 15	1 18
Straight header curb, per lin.ft	65	80	1 00
Circular header curb, per lin.ft	85	1 10	1 50
Catch basins, each	37 00	30 00	42 50
Type "A" manholes, each	37 00	45 00	60 00
10 in. v.c. pipe, per lin.ft	70	90	1 00
10 in. concrete pipe, per lin.ft	68	90	1 00
12 in. v.c. pipe, per lin.ft	85	1 10	1 25
12 in. concrete pipe, per lin.ft	80	1 10	1 15
15 in. v.c. pipe, per lin.ft	1 55	1 60	1 90
15 in. concrete pipe, per lin.ft	1 48	1 60	1 72
18 in. v.c. pipe, per lin.ft	1 98	2 00	2 00
18 in. concrete pipe, per lin.ft	1 85	2 00	1 85
24 in. v.c. pipe, per lin.ft	2 83	3 00	3 00
24 in. concrete pipe, per lin.ft	2 60	3 00	2 80
10x10 in. tees, each	1 70	3 00	2 50
10x12 in. tees, each	1 77	3 00	3 20
10x15 in. tees, each	2 43	5 00	4 50
10x18 in. tees, each	3 00	5 50	4 50
12x15 in. tees, each	5 92	4 00	4 50
12x18 in. tees, each	5 00	5 00	7 00
12x24 in. tees, each	11 32	7 50	9 00
Reshaping gravel surface, per sq.yd	10	10	25
Stone headers, per lin.ft	1 00	1 00	94
Extended totals warrenite	$439,894	$475,791	$502,575
Extended totals asphaltic concrete	409,656	437,820	454,773
Extended totals sheet asphalt	432,379	456,756	483,808

Md., Baltimore—Bd. Awards, sheet asphalt paving 11,750 sq.yd. streets in Contr. 289-OANA, from Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $55,474.

Florida — State Rd. Dept., Tallahassee, from Penton & Mathis Constr. Co., Florala, Ala., clearing, grubbing, grading and sand clay surfacing, etc., 1.04 mi. Project 649 between Crestview and Dist. line 3 and 1 $4,218, 9.38 mi. Project 649 between Dist. line 3 and 1 $34,283, 9.053 mi. Project 652 $50,253, all foregoing in Okaloosa Co.

Ohio—Dept. Highways & Pub. Wks., Columbus, June 19, grading, bridging and paving with **(a)** concrete **(b)** Kentucky rock asphalt **(c)** rein.-con. **(d)** asphaltic macadam **(e)** tar macadam **(f)** waterbound macadam **(g)** brick, incl. brick **(h)** oil macadam **(1)** 0.91 mi. Sect. "Manchester" Ohio River Rd., Adams Co. **(2)** 2.117 mi. Sect. "J" Lima-Ottawa Rd., Allen Co. **(3)** 3.105 mi. Sect. "K" Lima-Ottawa Rd., Allen Co. **(4)** 5.198 mi. Sect. "C" Painesville-Ravenna Rd., Geauga Co. **(5)** 2 mi. Sect. "D, E and I" Barberton-Greenwich Rd., Medina Co., **(6)** 4 mi. Sect. "U-2" Celina-Van Wert Rd., Mercer Co. **(7)** 2.375 mi. Sect. "U-1" Akron-Youngstown Rd., Portage Co. **(8)** 2.148 mi. Sect. "U-12" Akron-Youngstown Rd., Portage Co., widening **(9)** 0.016 mi. Sect. "Manchester" Ohio River Rd., Adams Co., approaches on **(10)** 0.87 mi. Sect. "B-Bridge" Piqua-Urbana Rd., Miami Co., from C. E. Biehm, Georgetown, **(a1)** $32,767 **(a9)** $948; from D. C. Ingold, MacComb, **(b2)** $44,580 **(b3)** $69,155; from Lewis & Copeland, Lima, **(a2)** $45,503 **(a3)** $74,004; from Markle Bros., Mansfield, **(e4)** $141,416 **(f4)** $131,531; from Reedy Bros., Warren, **(g5)** $37,310; from H. Heffner, Celina, **(c6)** $92,556; from Newell & Smith, Defiance, **(a7)** $71,546 **(a8)** $58,338; from Fleming & Turner, Youngstown, **(d7)** $75,352 **(e7)** $75,352 **(e8)** $63,641 **(h8)** $63,641; from N. R. Porterfield, Youngstown, **(10)** $3,314.

O., Columbus — W. H. Duffy, dir. Pub. Serv., grading, laying necessary water services and sewer connections and paving with **(a)** asphalt **(b)** brick and **(c)** concrete, **(1)** 320 ft. Pearl St. from 11th to Chittenden Aves. and 148 ft. Pearl St. from alley north Woodruff to Frambes Ave. **(2)** 409 ft. Jason Ave. **(3)** 2,081 ft. Nashoba Ave. **(4)** 664 ft. Carey Ave. **(5)** 160 ft. Cherry St. **(6)** 447 ft. Blenkner Sq. **(7)** 3,052 ft. Kelton Ave. **(8)** 317 ft. Swain St. **(9)** 6,000 ft. 6th St. **(10)** 360 ft. Myrtle Ave. **(11)** 330 ft. alley north 2nd Ave **(12)** 231 ft. alley west Nell Ave. **(13)** 678 ft. alley west Harrison Ave. **(14)** 509 ft. alley west Avondale Ave. **(15)** 411 ft. alley north Smith Pl. **(16)** 320 ft. alley north Patterson Ave. **(17)** 300 ft. alley west 17th St. **(18)** 336 ft. 2nd alley north Oak St. **(19)** 518 ft. alley north Hanford St. **(20)** 210 ft. alley west 6th St., from Federal Paving Co., 996 McAlister Ave. **(c1)** $2,825 **(c5)** $966 **(c17)** $1,864; from R. J. Dienst, 480 South 5th St. **(c2)** $5,007 **(b4)** $4,622 **(c6)** $3,935 **(c10)** $6,262; from Franklin Asphalt Paving Co., 209 South High St. **(a3)** $27,030, **(a7)** $50,480 **(a8)** $3,679 **(a9)** $8,798; from Yale Ave. Constr. Co., 146 Yale Ave. **(c11)** $1,485 **(c12)** $1,385 **(c13)** $3,936 **(c14)** $2,237 **(c15)** $2,497 **(c16)** $1,386 **(c18)** $1,893 **(c19)** $2,410 and **(c20)** $1,151. Noted June 4.

O., New Philadelphia—Improving North 5th St. from Leroy Springer & Co., brick $32,444, sheet asphalt $30,370.

Mich., Detroit—From Cleveland Trinidad Paving Co., 402 Hammond Bldg., 3½ in. sheet asphalt on 8 in. concrete paving 14th Ave. $14,050; from Detroit Asphalt Paving Co., 909 Free Press Bldg., Wyoming Ave. $99,862, Canfield Ave. $58,390, Alter Rd. from Kercheval to Charlevoix Aves. $33,210, Mandale Ave. $16,619, Tyler Ave. $11,442, Alter Rd. from Mack to Lozier Aves. $24,565, Clarion Ave. $8,474; from M. R. Hanna Co., 2700 Six Mile Rd., Kendall Ave. $24,227, Alameda Ave. $23,332, Alden Ave. $21,459.

Mich., Oxford — Oakland Co. (Pontiac), grading and concrete paving 21,000 sq.yd. road, from R. Miller, 502 West Jane St., Bay City, $69,000.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete surfacing 0.34 mi. Route 1, Sect. 7-X, Edwards Co., from R. A. Baum, Paris, $10,259, 0.2 mi. Route 18, Sect. 15-X, De Kalb Co., from Trometer & Sons, Peru, $4,434, 0.23 mi. Route 21, Sect. 6, Lake Co., from F. W. Barren, Waukegan, $7,163, 6.11 mi. Route 3, Sect. 1, Morgan Co., from J. W. Etchison, Casey, $116,681, 5.18 mi. Route 3, Sect. 2, Morgan Co., from Divine Constr. Co., Papineau, $99,619, 15.06 mi. Route 36, Sects. 2, 3 and 4, Hancock Co., and grading 0.076 mi. Route 9, Sect. 30-A, Hancock Co., 16,530 cu.yd. excav., etc., from Cameron, Joyce & Co., Keokuk, Ia., $299,500 and $16,131 respectively; grading 3.39 mi. Route 1, Sect. 43-A, Saline Co., 55,240 cu.yd. excav., from McMann & Hoffman, Murphysboro, $18,941, 0.49 mi. Route 13, Sect. 12-D, Jackson Co., 26,230 cu.yd. excav., from Hamilton Hoffman Constr. Co., Carbondale, $12,663, 8.61 mi. Route 31, Sect. 18-A, Fulton Co., 192,435 cu.yd. excav., from E. P. Olson, St. Joseph, Mo., $92,883. Noted June 18.

Ill., Peoria—Bd. Local Impvts., June 15, grading, curbing and asphalt surfacing 7 blocks East Virginia Ave., 30 ft., from J. W. Bushell, 1321 South Washington St., $50,894. Engrs. est. $51,117. Noted Apr. 9.

Wis., Milwaukee—Dept. Pub. Wks., June 19, concrete curbing and guttering Estes St. from Beulah Ave. to Superior St., and Iron St. from Ellen St. to Beulah Ave., from Czerwinski Constr. Co., 775 National Ave. $501 and $1,416 respectively, Oklahoma Ave. from Howell to Kinnickinnic Aves., from R. H. Gumz, 831 13th Ave., $12,966; granite block paving Muskego Ave. from North Menomonee to Canal Sts., from W. F. Hunt, 405 Bway., $11,452; concrete paving 1 alley each, from Bodemann Constr. Co. 691 48th St. $5,056, Schwerm Bros., 50 Lee St. $1,487, from C. Slatter, 584 71st Ave. $1,634, from Ryback & Sadowski, 1092 2nd Ave. $3,451, from A. E. Retzlaff, 868 Island Ave., $1,774; 2 alleys, from J. Bluhm & Son, 1398 Achilles Pl., $4,357; 4 alleys, from F. Hilderbrand, 1042 23rd Ave., $10,810; asphalt resurfacing Chicago, Detroit, Huron, Buffalo and Erie Sts., from White Constr. Co., 68 Wisconsin St., $33,112. (Former bids rejected on latter project). Noted June 11.

Streets and Roads (Continued)

Minnesota—State Hy. Dept., 1246 University Ave., St. Paul, June 16, **(S. P. means State Project and F. A. P. means Federal Aid Project)** from Nolan Bros., 18 North 2nd St., Minneapolis, improving 5.3 mi. S. P. 1-44, Sect. 1, Div. B, F. A. P. 1, 45,000 cu.yd. earth excav. at $0.30 per cu.yd., 56,000 sq.yd. concrete paving $2.15; from Ostrand & Hallet, Crosby, improving 5.5 mi. S. P. 1-44, Sect. 4, F. A. P. 1, 50,000 cu.yd. excav., $0.30 per cu.yd., 57,900 sq.yd. concrete paving $2.09; from W. Devine, c/o owner, improving 2.1 mi. S. P. 3-38, Sect. 1, F. A. P. 371-A, 26,500 sq.yd. concrete paving at $2.25 per sq.yd., etc. Noted June 4.

Minn., Minneapolis—E. P. Erickson, aud. Hennepin Co., June 10, **(a)** one course concrete **(b)** vibrolithic **(c)** bitulithic **(d)** asphaltic concrete **(*)** oil asphalt **(†)** lake asphalt **(e)** Warrenite bitulithic concrete paving 75,000 sq.yd. Mendota Bridge approaches **(1)** approximately 1.5 mi. Minneapolis side of Minnesota River through Fort Snelling **(2)** approximately 3.25 mi. far side of river southeast to Jefferson Highway, from Woodrich Constr. Co., 1141 Metropolitan Life Bldg., **(a1)** $58,070 **(b1)** $64,070 **(c1)** $79,417 **(a2)** $123,981 **(b2)** $136,481 **(c2)** $169,633; from General Contg. Co., 1222 Plymouth Bldg., **(d†1)** $89,831 **(d†1)** $94,591 **(d62)** $188,693 **(d*2)** $197,953 **(e1)** $102,445 **(e2)** $214,222. Noted May 28.

Tex., Houston — Harris Co., warrenite bitulithic paving Emanuel St., from McKenney to McGowan Ave., from Gulf Bitulithic Co., 801 Bankers Mortgage Bldg., Houston, $73,675. Engrs. est. $75,000.

Tex., Linden — Cass Co., clearing, grubbing, grading and bridging 7.44 mi. State Highway 48, Federal Aid Project 457-B, from Tibbetts Constr. Co., Joseph Bldg., Fort Worth, $66,966. Engrs. est. $77,435. Noted May 9.

Tex., Richmond—Fort Bend Co., surfacing with rein.-con. on sand cushion with shell shoulders 15.14 mi. State Highway 3, Federal Aid Project 326-Unit 2, from Tibbetts Constr. Co., Joseph Bldg., Ft. Worth, $433,724. Engrs. est. $448,300. Noted July 2.

Calif., Corning—City, June 10, 6 in. concrete paving Solano St., from T. H. and M. C. Polk, Chico, $38,711. Noted May 28.

Calif., Delano — Curbing, 1½ in. Warrenite bitulithic on 4 in. asphaltic concrete paving 251,164 sq.ft. 8th, 9th, 10th and 11th Sts., from Federal Paving Co., Standard Oil Bldg., San Francisco, $73,667.

Calif., Los Angeles—From G. R. Curtis, 2440 East 26th St., improving 2,000 ft. Ardmore Ave., 5,195 lin.ft. curbing at $0.60 per lin.ft., 420 lin.ft. sidewalks $0.20, 1,705 sq.ft. sheet asphalt paving $0.08, 92,687 sq. ft. asphaltic macadam $0.23, etc., total $27,469; 2,000 ft. Main St., from E. Johnson & Sons, 4183 South Normandie Ave., 590 lin.ft. light curbing $0.45, 8,759 lin.ft. curbing $0.45, 39,697 sq.ft. sidewalks $0.15, 47,122 sq.yd. 7 in. concrete paving $0.215, 114,071 sq.ft. 6 in. at $0.1875, 1,288 sq.ft. 5 in. at $0.15, etc., total $61,450; from Griffith Co., Los Angeles Ry. Bldg., Santa Monica Blvd., 1,006 lin.ft. curbing $0.60, 10,971 sq.ft. sidewalks $0.18, 1,356 sq.ft. 2 in. sheet asphalt $0.12, 6,665 sq.ft. Warrenite asphaltic concrete paving $0.24 per sq.ft., 5,391 sq.ft. 5 in. at $0.28, 1,342 sq.ft. 6 in. at $0.31, etc., total $8,309. Noted June 21.

Calif., Oakland — Alamed Co., grading and macadam paving 414,300 sq.ft. Skyline Blvd. from Co. Rd. 2935 to Co. Rd. 2509, from Heafey, Moore & McNair, 344 High St., $41,430.

Calif., Pasadena—Grading, curbing, guttering, oil macadam paving, Walnut St., between Allen and Santa Anita Aves., from A. O. Nelson, 2495 Blanche St., Pasadena, $56,142.

Calif., San Anselmo—From Pacific States Constr. Co., Call Bldg., San Francisco, improving San Francisco Blvd., 4,500 cu.yd. excav. at $1 per cu.yd., 75,400 sq.ft. grading $0.035, 9,400 ft. concrete shoulders $0.38, 75,400 sq.ft. asphaltic concrete paving $0.235, total $35,354. Noted Apr. 2.

Calif., San Leandro — From Hutchinson Co., Hutchinson Bldg., Oakland, improving portions of East 14th St., 77,450 sq.ft. grading at $0.06 per cu.yd., 77,100 sq.ft. 2 in. Warrenite bitulithic on 6 in. concrete and 3 in. macadam foundation, at $0.29, etc., total $29,433. Noted June 11.

Wash., Seattle—Bd. Pub. Wks., grading, concrete sidewalks, etc. on 19,450 lin.ft. Rainier Ave., et al, from D. H. Traphagen, Walker Bldg., $30,529. Engrs. est. $34,098.

CONTRACTS AWARDED

Massachusetts—Dept. Pub. Wks., Boston, bituminous macadam surfacing 768 ft. highway in Norwell, to O. R. Mann, South Hanover $2,730, 6,948 ft. highway in Hinsdale, to J. McCormick, 319 Taunton Ave., Providence, R. I. $67,839, 22,935 ft. in Chatham, Harwich, Brewster and Orleans, to M. F. Roach, 35 Spring St., East Bridgewater, $84,452; bridge and approaches on 1,250 ft. highway in West Springfield, to Hoyt Constr. Co., 85 Dartmouth St., Holyoke, $76,144. Grand total $231,165. Noted June 25.

N. Y., Brooklyn—J. A. Guider, boro pres., Boro Hall, to Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., asphalt paving Bay Ridge Ave. $5,767, Bedford Ave. $27,384, Colonial Rd. $15,896, East 26th St. $10,766, New York Ave. $7,887, Ave. O $6,154, Rugby Rd. $16,389, 76th St. $12,056, to Uvalde Asphalt Paving Co., 1 Bway., New York City, Bedford Ave. $20,951, Liberty Ave. $9,494; to T. V. Scott, 671 Halsey St., grading, curbing, flagging, etc., 65th St. $11,285, and Elmore Pl. $1,043; to W. J. McHale Contg. Co., 1250 Jefferson St., bituminous macadam resurfacing East 26th St. $10,373. Grand total $155,445. Noted June 18.

N. Y., Brooklyn—J. A. Guider, boro. pres., Boro. Hall, to Sicilian Asphalt Paving Co., 41 Park Row, New York City, restoring and repaving when and where directed $25,000, asphalt repaving Atlantic and Williams Aves. $14,490, Harrison Ave. $63,810, to Cranford Co., 52-9th St., asphalt repaving Alabama Ave. $12,353, Greene Ave. $24,787, Lewis Ave. $45,757. Noted June 25.

N. J., Paulsboro—Gloucester Co. (Woodbury), June 18, sheet asphalt paving 1½ mi. Paulsboro Rd. to Hog Island Ferry, here, to E. R. Mixner, Goshen, $51,747.

N. J., Trenton—Freeholders Mercer Co., June 23, concrete resurfacing 9,400 sq.yd. Ewingville Rd., incl. 1,850 lin.ft. 12- to 24-in. pipe drain, to Union Paving Co., 30th and Locust Sts., Phila., Pa., $30,258.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, to Edwards Dunn Co., Inc., Greensburg, improving R. 118, Sect. 3, Westmoreland Co., 16,000 sq.yd. rein.-con. $3.25 per sq.yd., 15,800 cu.yd. unclassified excav. $1, total $86,373; to F. S. Wilson, Kittanning, Routes 69 and 71, Armstrong Co., 5,608 sq.yd. rein.-con. $3.80, 2,070 sq. yd. rein.-con. $3.50, 4,300 cu.yd. unclassified excav. $1.30, total $51,088; to M Barber, Binghamton, N. Y., R. 52, A. 3158, Somerset Co., 10,713 sq.yd. rein.-con. $3.19, 3,201 cu.yd. unclassified excav. $1.45, total $48,259; to R. V. Baldwin, Coraopolis, R. 357, A. 3125, Jefferson Co., 28,858 sq.yd. rein.-con. $3.22, 12,744 cu.yd. unclassified excav. $1, total $124,345; to Frey Constr. Co., York, R. 139, Lebanon Co., 17,140 sq. yd. rein.-con. $3.18 and $2.96, 6,093 cu.yd. unclassified excav. $1.57, total $83,445. Grand total $393,510. Noted May 28 and June 18.

Pennsylvania—State Hy. Dept., Harrisburg **(R. means Route and A. means Application)**, to Tillman Constr. Co., Chicago, Ill., improving R. 257, A. 3174, Alleghany Co., 36,889 sq.yd. rein.-con. $323 per sq.yd., 37,000 cu.yd. unclassified excav. $1.05, total $170,978; to Milligan & Ringler, Blairsville, R. 91, Sect. 1, Forest Co., 26,298 sq.yd. rein.-con. $3.15, 25,800 cu.yd. unclassified excav $125, total $151,445; to F. F. Hallam & Son, Fairmont, W. Va., R. 187, Sect. 28, Alleghany Co., 49,450 sq.yd. rein.-con., $3, 31,218 cu.yd. unclassified excav. $1.40, 9,244 cu.yd. borrow $1.40, total $254,362; to Indiana Constr. Co., Indiana, A. 3122, Jefferson Co 43,632 sq.yd. rein.-con. $3.20, 27,903 cu.yd. unclassified excav. $1, total $225,544. Grand total $802, 329. Noted June 18.

Pennsylvania—State Hy. Dept., Harrisburg, **(R. means Route and A. means Application)**, to DuBoise Constr. Co., DuBoise, improving R. 149, Berks Co., 6,660 sq.yd. rein.-con., $3.50 per sq.yd., 1,247 cu.yd. unclassified excav. $1.80, 1,053 cu.yd. borrow $1.40, total $32,354, R. 243, Sect. 3, Beaver Co., 13,785 sq.yd. rein.-con. $3.20, 19,458 cu.yd. unclassified excav. $1.50, total $94,992. Noted June 18.

Pa., Phila. — Bureau Highways & Dept. Pub. Wks., to Garlick-Bros., 2948 East Verango St., grading Ash, Bath and Buckius Sts. $5,706, to T. P. Lee, 5629 Cherry St., Dicks St. $5,853, to R. B. Wenner, 2313 Walnut St., Ithan and 57th Sts. $24,318, Stenton St. $560, to Stange Constr. Co., Broad and Locust Sts. Pattison St., $414,278; to Eastern Asphalt Co., 1504 Pennsylvania Bldg., asphalt paving Albanus St. $11,308, Emlen St. $7,652, Glenlock St. $3,196, Hunting Park $45,306, Sedgley St. $9,833, to Mack Paving & Constr. Co., Nicetown Lane and Luzerne St., Naomi St. $4,798, to Barber Asphalt Co., 239 North 30th St., Haines St. $66,799, Hunting Park $23,726, Lebanon St. $25,706, Locust and Pine Sts. $13,960, Janney, Sepviva, Tulip and Weikel Sts. $16,853 to Union Paving Co., 30th and Locust Sts., Boyer, Blakemore and Hortter Sts. $39,295; to B. Foster Co., Inc., 20th and Venango Sts., country road improving, Brewster, Brunswick, Crothers, Laycock and 53rd Sts. $29,823, to J. Devlin, Jr., Hancock and Thompson Sts., Ellet St. $3,989, to A. S. Altemus, 1808 Chestnut St., Hampton St. $2,794; to Municipal Paving Co., 742 Catherine St., redressed granite block repaving Columbia St. $14,947. to Acchione & Canuso Paving Co., 804 South 12th St., Reed St. $28,651, to Mazzola & Marino, 739 South 7th St., 16th St. $40,032. Grand total $839,383. Noted June 18.

W. Va., Ronceverte—Brick, concrete and bituminous macadam surfacing Railroad and Pocahontas Aves., to Major Bros. & Co., Clifton Forge, Va., $38,785.

Md., Baltimore — Grading, curbing and sheet asphalt paving 15,400 sq.yd. streets listed in Contr. 288-O.C., to Amer. Paving Co., Montebello Ave., Baltimore, $74,852.

North Carolina—State Hy. Comn., Raleigh, clearing, grubbing, grading and topsoiling, etc., 18.2 mi. Project 405, Chatham Co., to McDowell Constr. Co., Marion, $137,431; grading, asphalt on concrete paving, etc., 5.82 mi. Project 475, Vance Co., to Coastal Constr. Co., Florence, S. C., $182,498; grading and plain concrete paving, etc., 5.47 mi. Project 831, Henderson Co., to Overstreet & Nance Constr. Corp., Bedford, Va., $154,726, 2.17 mi. Project 786, Wilkes Co., to Foster Constr. Co., Wilkesboro $76,053, 2.86 mi. Project 906-C, Buncombe Co., to R. C. Stevens, Asheville, $104,367; clearing, grading, etc., 4.22 mi. Project 805, Avery Co., to Albert Bros., Shawsville, Va., $34,927, 5.24 mi. Project 818, Burke Co., to J. F. Mulligan Constr. Co., North Wilkesboro, $32,213. Grand total $722,215. Noted May 28.

Ga., Dalton—Warrenite on concrete surfacing 1.25 mi. various streets, to Atlantic Bitulithic Co., Munsey Bldg., Wash., D. C., $73,424.

Alabama—State Hy. Dept., Montgomery, grading and gravel surfacing 13.88 mi. State Project 20, Lamar Co., to Nixon & Phillips, Lineville, $150,049. Noted May 21.

La., Harrisonburg—Catahoula Co., improving 35 mi. Ward 7, Road Dist. 3, 180,000 cu.yd. excav., 30 acres clearing and grubbing, sewers, etc., to Kirby & Dayton, Jonesville, La., $35,536.

Tenn., Memphis—Widening and surfacing Jefferson Ave. from Main St. to Lauderdale Ave., to Hogan Constr. Co., Southern Trust Bldg., Little Rock, Ark. Engrs. est. $25,000. Noted June 11.

Ky., Louisville—City, to Andrews Paving Co., Hamilton, O., concrete surfacing Columbia St. from 16th to 17th Sts. $1,973, asphalt resurfacing, etc., Maple St. from 15th to 18th Sts. $21,030, Maple St. from 18th to 21st Sts. $8,343, to H. Bickel Co., Inc., 443 Garden St., Market St. from 8th to 10th Sts. $19,968, Walnut St. from 28th to 30th Sts. $7,177, Marshall St. from Shelby to Campbell Sts. $3,874, 18th St. from Portland Ave. to High St. $2,195, Cedar St. from 6th to 7th Sts. $2,056, 17th St. from Portland Ave. to High St. $3,759, Griffith Ave. from 21st to 22nd Sts. $3,493, and Griffith Ave. from 23rd to 24th Sts. $3,139, to Louisville Asphalt Co., Floyd and Lee Sts., Roselane St. from Clay to Shelby Sts. $5,907, and Rubel Ave. from Barrel Ave. to Payne St. $7,247, 11th St. from Market to Main Sts. $5,127, and Ormsby Ave. from Preston to Shelby Sts. $18,342; to J. V. Schickli & Bros., Louisville, 6 in. concrete base on Campbell St. from River Rd. to Elm St., $3,426, (City will surface same). Grand total $117,056. Noted June 11.

O., Akron—W. F. Peters, dir. Pub. Serv., **(e. e. means engrs. est.)** to T. E. McShaffrey Constr. Co., 173 South Forge St., resurfacing old brick pavement Cuyahoga Falls Ave., 13,600 sq.yd. sheet asphalt, 3,030 sq.yd. guttering, 900 lin.ft. stone curbing, 600 sq.ft. 4 in. concrete sidewalks, 550 cu.yd. earth excav., $60,630 e. e. $81,200, improving Mallison Ave., 3,679 sq.yd. vitr. brick, 2,550 lin.ft. stone curbing, 13,300 sq.yd. 4 in. concrete sidewalks, 3,000 cu.yd. excav., $26,045 e. e. $33,400, Bloomfield Ave., 3,600 sq.yd. vitr. brick, 2,500 lin.ft. stone curbing, and 1,400 cu.yd. earth excav., $18,874 e. e. $25,000; to McAlonan Bros., 506 Woodland Ave., improving Mapledale Ave., 1,340 sq.yd. vitr. brick, 910 lin.ft. stone curbing, 55,500 sq.ft. 4 in. concrete sidewalks, 1,159 cu.yd. earth excav., $10,874, e. e. $12,400, Marion Pl., 1,320 sq.yd. vitr. brick, 1,449 lin.ft. stone curbing, 5,920 sq.ft. 4 in. concrete sidewalks, 600 cu.yd. earth excav., $10,288 e. e. $10,900; to McCourt Constr. Co., 369 South Main St., Dayton St., 6,000 sq.yd. vitr. brick, 3,930 lin.ft. stone curbing, 6,500 sq.ft. 4 in. concrete sidewalks, 2,400 cu.yd. earth excav. $31,532 e. e. $41,500; to H. Gilbert, 19 North Martha Ave., Moffatt Pl. et al, 1,215 sq.yd. vitr. brick, 20 cu.yd. concrete curbing, 370 cu.yd. earth excav., $4,833 e. e. $6,700. Grand total $163,076. Noted June 4.

O., Canton—Bd. Control, asphalt on concrete paving 13th St. N. W., to R. E. Cash Asphalt & Paving Co., Genl. Del., $64,834; asphalt paving Smith Ave. N. W., to Gen-

Streets and Roads (Continued)

eral Asphalt Paving Co., 1268 Dueber Ave. S. W., $41,537. Noted Mar. 12.

O., Cincinnati — Director Pub. Serv., granite block paving, etc., 1,650 ft. Hamilton Ave., to A. J. Brehm, 876 Hutchins Ave., $64,855. Engrs. est. $69,645. Noted June 25.

O., Rocky River—City, asphaltic concrete paving 6 streets, to Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $180,000.

Ind., Indianapolis—Marion Co., concrete paving Sects. 1 and 2 Lyndhurst Dr., to A. D. Bowen, 2242 Bway., $54,610 and $46,221 respectively, engrs. est. $54,077 and $54,295 respectively; 7,860 ft. 52nd St., to McNamara Constr. Co., 946 West New York St., $32,930, engrs. est. $32,909. Grand total $133,761.

Michigan — State Hy. Comn. at office Comrs. Ingham Co., Mason, grading, curbing, guttering and concrete paving 17,338 sq.yd., Federal Aid 146, Sect. 4, to State Constr. Div., Lansing, $36,088.

Michigan — State Hy. Comn., Lansing, grading, etc., 1.801 mi. S. T. L. 16-28 B, Ionia Co., to G. P. Scharl, Muskegon, $50,876.

Illinois — Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, concrete surfacing, etc. Route 3, Sect. 43, Schuyler Co., to F. G. Feutz Co., Rochester, Ind., $178,707; Route 6, Sect. 7-AA, and Route 23, Sect. 27, DeKalb Co., to Carnine & Sweeney, Sullivan, $35,900; Route 33, Sect. 3, Jasper Co., to E. Berns & Co., 21st and Ill. No. 208, Indianapolis, Ind., $109,165; Route 46, Sect. 46-4W, Cook Co., to Chicago Heights Coal Co., Chicago Heights, $20,339; Route 33, Sect. 6, Jasper and Effingham Counties, to C. J. Moritz, Effingham, $140,076. Grand total $484,187. Noted May 28.

Ill., Marion—Bd. Local Imprvts., grading and paving 7 various streets, to W. Lough & Son, Marion, approximately $100,000. Engrs. est. $125,000. Noted Oct. 2.

Ill Rock Island—Improving 11 blocks 7th Ave. and 39th St., to D. J. Ryan Constr. Co., Kahl Bldg., Davenport, $27,620.

Ill., Wyoming—Stark Co., grading, curbing and paving South 7th, East and West Williams Sts., to H. A. Reschke & Co., Genesco, $51,662. Engrs. est. $67,000. Noted June 11.

Wis., Wauwatosa—Bd. Pub. Wks., improving Ludington, East and West Milwaukee Aves., 5,500 cu.yd. grading, to Bartel Mourer Co., 958 8th Ave., Milwaukee, at $0.62 per cu.yd.; 21,750 sq.yd. rein.-con. paving, to Jacobus & Winding Constr. Co., 1 State St., $2.18 per sq.yd. Noted June 25.

Ia., Council Bluffs—City, to J. J. Wickham, Council Bluffs, concrete and asphalt surfacing 41,500 sq.yd. various streets at $1.38 to $2.08 per sq.yd., and 29,305 ft. curbing at $0.63 to $0.67 per ft.; to M. L. Flinn, Sioux City, 4,190 sq.yd. paving various streets $1.93, and 3,340 ft. curbing $0.65. Noted June 4.

Ia., Elkader—To Union Constr. Co., 200 New York St., Des Moines, curbing, guttering and paving High St., Project C-35, Primary Projects 10 and 13, 4,750 sq.yd. 8 in. concrete at $2.28 per sq.yd., 900 sq.yd. 7 in. concrete, $2.18, and 1,350 sq.yd. 6 in. concrete $1.93, total $26,640.

Minn., Ely—A. O. Knutson, city clk., vibrolithic concrete paving etc., approximately 10,500 sq.yd. various streets, to C. A. Johnson & Carlson, Virginia, $2.98 per sq.yd., total $31,290.

Kan., Dodge City—Grading, curbing and concrete surfacing 8 blocks Avenue B and East Chestnut St., 40 ft., to Geiger & Rutherford, 626 Cherokee St., Leavenworth, $41,634. Noted June 11.

Kan., Leavenworth — Grading, curbing, removing old brick paving and constructing new paving 34,650 sq.yd. 5th St., etc., to J. P. Collins Constr. Co., 403 North 5th St.

Neb., Beatrice—Gage Co., 4 in. gravel surfacing 17 mi. Cornhusker Highway, to Allied Contractors, Inc., 1803 Douglas Bldg., Omaha, $54,210. Engrs. est. $60,000.

Missouri—State Hy. Dept., Jefferson City, to List Weatherly Constr. Co., 416 Ry. Exch. Bldg., Kansas City, grading, and 18 ft. concrete paving 8.589 mi. road from St. Joseph north, Andrew Co., $118,147, 1.932 mi. same road, Buchanan Co., $37,722; to M. E. Gillioz, Monett, 30 ft. grading, 7.415 mi. St. Louis-Springfield Rd., Phelps Co., $58,668; to L. A. Woods Constr. Co., Smithville, 18 ft. gravel surfacing 9.314 mi. road from Mexico east, Audrain Co., $61,447; to Summerfield-Jones Co., Billings, 20 ft. gravel surfacing 6.734 mi. road from West Plains, north and south, Howell Co., $17,677; to Service Constr. Co., Poplar Bluff, 30 ft. grading 9.888 mi. Garwood-Leeper Rd., Reynolds Co., $53,943, to Pioneer Constr. Co., 101 New York Life Bldg., Kansas City, 0.746 mi. Lesterville-Glover Rd., Reynolds Co., $7,408, to Fogleman & Davidson, Eugene, 1.203 mi. Jefferson City-Tuscumbia Rd., Miller Co., $33,153, to Gambil Bros., Bloomsdale, 4.88 mi. Jefferson City-Tuscumbia Rd., Miller Co., $35,225, to Gaines Bros., Fairland, Okla., 8.014 mi. road from Columbia north, Boone Co., $55,289, to F. F. O'Dell, New London, 0.246 mi. road from Memphis, north and south, Scotland Co., $3,828; to Robertson-Carmean Co., Caruthersville, grading and 18 ft. concrete paving 1.629 mi. Sikeston-St. Louis Rd., Cape Girardeau Co., $20,847, 3.172 mi. Hannibal-St. Louis Rd. $49,691, 6.3 mi. road from Hannibal, north and south, $124,860, all foregoing in Marion Co., 1.657 mi. road from Sikeston north, Scott Co., $34,806, to Midwest Eng. Co., Mt. Vernon, Ill., 1.411 mi. road from Spickard north, Grundy Co., $16,264; grading and 9 ft. concrete paving 10.576 mi. roads from Princeton, north and south, Mercer Co., $116,902; to B. D. McColly & Bros., Rensselaer, Ind., 16 ft. gravel surfacing 2.306 mi. roads from La Grange, north and south, Lewis Co., $27,816, to Kelly & Underwood, Granby, 3.451 mi. road from Edina, north and south, Knox Co., $32,281, to J. A. Carlson, Macon, 9.187 mi. road from Edina, north and south, Knox Co., $82,658, to F. C. Teach, Morroco, Ind., 8.152 mi. road from Memphis, north and south, Scotland Co., $82,539; to C. Jobe, Clarksburg, 20 ft. gravel surfacing 9.93 mi. Kansas City-St. Louis Rd., Moniteau Co., $63,943, to Schull & Milton, California, 3.706 mi. Kansas City-St. Louis Rd., Moniteau Co., $27,554. Grand total $1,162,301. Noted June 11.

Missouri — State Hy. Dept., Jefferson City, grading and 9 ft. concrete paving, etc., 7.312 mi. Richmond-Missouri River Rd., Ray Co., to Richmond Constr. Co., Richmond, $45,368; grading and 18 ft. concrete paving 9.28 mi. Portagesville-Arkansas State Rd., Pemiscot Co., to J. R. Feigle Co., Evansville, Ind., $207,437, 10.815 mi. New Florence-Warren Co. Rd., Montgomery Co., to Pope Constr. Co., Jefferson City, $139,449; grading, 9 and 18 ft. concrete paving, etc., 9.895 mi. King City-Clarksdale Rd., De Kalb Co., to Metropolitan Paving Co, 115 North 5th St., St. Joseph, $105,541; grading and 18 ft. concrete paving, etc., 17.723 mi. Portagesville-Arkansas State Rd., Pemiscot Co., to R. L. Williams, Charleston, $331,876; 18 ft. chat surfacing 3.758 mi. road from Nevada, east, Vernon Co., to Graham Bros., Leeds, $36,429. Grand total $866,100. Noted June 18.

Mo., Cape Girardeau — Concrete paving, etc. 9 blocks various streets, to W. P. George & Co., Pine Bluff, Ark., $29,785; and Mill St. between Main and Fountain Sts., to F. W. Keller, Cape Girardeau, $11,521.

Tex., Anderson—Grimes Co., grading and bridging 6.71 mi. State Highway 6, Federal Aid Project 471-B, to Womack Constr. Co., Sherman, $57,068. Engrs. est. $65,000. Noted June 11.

Tex., Beaumont — Permanent paving about 25 blocks Pearl St. and sections of Mariposa, Forrest, Hazel and Irving Sts., to Uvalde Rock Asphalt Co., City Natl. Bank Bldg., San Antonio, approximately $3.09.

Tex., Dickens — Dickens Co., grading, bridging, gravel and sand clay surfacing 12.44 mi. State Highway 18, Federal Aid Project 446-A, to J. F. Hamer, Stop 6, Interurban, Fort Worth, $82,815. Engrs. est. $92,600. Noted Apr. 16.

Tex., El Paso — El Paso Co., grading, widening and bituminous topping 15.63 mi. State Highway 1, Federal Aid Project 439-E, to El Paso Bitulithic Co., El Paso, $283,896. Engrs. est. $403,740. Noted June 11.

Tex., Gatesville—L. M. Stinnett, judge Coryell Co., will clear, grub, grade, bridge and gravel surface 3.18 mi. State Highway 93, State Aid Project 596, 16 ft., 33,875 lb. reinforcing, 8,382 cu.yd. gravel surfacing, etc., by day labor, $33,783. Engrs. est. $37,450. Noted June 4.

Tex., Huntsville — Walker Co., grading, bridging, etc. 15.57 mi. State Highway 19, Federal Aid Project 460-B, 26 ft., to Reynolds & Sutton, Tyler, $56,233. Engrs. est. $72,000. Noted June 18.

Tex., Linden—Cass Co., clearing, grubbing, grading, bridging, etc., 6.82 mi. State Highway 48, Federal Aid Project 457-C, to Tibbetts Constr. Co., Joseph Bldg., Fort Worth, $58,604. Engrs. est. $69,275. Noted June 11.

Tex., Palestine—Anderson Co., grading, surfacing and bridging 10.15 mi. Brushby-Creek-Frankston Rd., in Rd. Dist. 8, to J. S. Moore & Son, Lufkin, $64,693. Engrs. est. $70,000. Noted June 4.

Tex., Weslaco—Grading, 1 in. asphalt on 8 in. double rolled gravel surfacing various streets, to W. L. Pearson & Co., 1st Natl. Bank Bldg., Houston, $100,000.

Oklahoma — State Hy. Dept., Oklahoma City, **(F. A. P. means Federal Aid Project, S. A. P. means State Aid Project and e. e. means engineers estimate)**, grading, concrete surfacing ,etc., 0.69 mi. Weleetka Rd., 30 ft., S. A. P. 149-D, Okfuskee Co., 320 cu. yd. earth and 20 cu.yd. rock excav., 8.8 tons reinforcing, etc., to Wilson & Bush, Weleetka, $22,911 e. e. $25,000, 6.14 mi. F. A. P. 179-B, 18 ft., 20,069 cu.yd. earth and 20 cu.yd. rock excav., 192 ft. concrete pipe, etc., to B. J. and L. Paving Co., Enid, $147,533 e. e. $153,069, 3.12 mi. Garber Rd., 18 ft., F. A. P. 181, Garfield Co., to Lawrence & McSpadden, Vinita, $74,069 e. e. $78,047, 8.61 mi. Red River-Thackerville Rd., 18 ft., F. A. P. 141-A and B, Love Co., 29,172 cu.yd. earth and 40 cu.yd. rock excav., etc., to Flynn Constr. Co., Newkirk, $127,089 e. e. $258,217; grading, gravel surfacing, etc. 4.02 mi. Wagoner Rd., 30 ft., S. A. P. 74-C, Wagoner Co., 12,566 cu.yd. earth and 200 cu.yd. rock excav., 7,386 cu.yd. gravel, 10.38 tons reinforcing, etc., to Ellis & Lewis, Muskogee, $26,355 e. e. $32,376; grading and bridging 9.37 mi. Duncan Rd., 30 ft., F. A. P. 146-A and B, Stephens Co., 31,543 cu.yd. earth and 410 cu.yd. rock excav., 32.2 tons reinforcing, etc. and 6.02 mi. Weleetka-Hughes Co. line Rd., 30 ft., F. A. P. 188, Okfuskee Co., 37.93 cu.yd. earth and 4,080 cu.yd. rock excav.,, 15.46 tons reinforcing, 323 ft. concrete pipe, etc., to J. E. Smith & Sons, Duncan, $35,543 and $36,305 respectively, e. e. $42,360 and $41,306 respectively, 3.01 mi. Wetumka Rd., 30 ft., F. A. P 188-B, Hughes Co., 18,375 cu.yd. earth and 1,350 cu.yd. rock excav., 17 tons reinforcing, 376 ft. concrete pipe, etc., to W. J. Pharoah, Okemah, $21,248 e. e. $25,760, 12.54 mi. Guthrie-Noble Co. line Rd., 30 ft., F. A. P. 139-D and E, Logan Co., 87,696 cu.yd. earth and 11,080 cu.yd. rock excav., 39.4 tons reinforcing, etc., to M. A. Swatek & Co., 519 West Main St., Oklahoma City, $72,016 e. e. $86,994, 5.24 mi. Nowata-Delaware Rd., 18 ft., 8,444 cu.yd. earth and 20 cu.yd. rock excav., 9.89 tons reinforcing, 416 ft. concrete pipe, etc., to Turner & Spaulding, Vinita, $26,442 e. e. $35,514. Grand total $589,511. Noted June 4 and 11.

Okla., Holdenville—Grading and concrete paving 9,730 sq.yd. North Gulf St., to E. H Locher, Amer. Bank Bldg., Okmulgee, $29,966. Engrs. est. $32,500. Noted May 7.

Okla., Mangum—Paving 5 blocks various streets, to T. E. Ward, Mangum, $43,000. Noted June 4.

Washington—State Hy. Dept., Olympia, to Goetz & Brennan, Seaboard Bldg., Seattle, improving State Highway 12, Pacific Co., 4,200 cu.yd. subgrade at $1.00 per cu.yd., 17,688 cu.yd. overhaul $1, 16,460 sq.yd. concrete paving $2.89, 12,870 cu.yd. earth excav. $1, 2,590 cu.yd. loose rock excav. $1.10, 1,820 cu.yd. solid roc kexcav., $2, etc., total $93,075.

Wash., Hoquiam—City Council, 7 in. concrete paving Emerson Ave. from Adams Ave. to Lincoln St., to Grays Harbor Constr. Co., Aberdeen, $77,484. Engrs. est. $75,000.

California — State Hy. Comn., Sacramento, **(e. e. means engineers estimate)**, widening with waterbound macadam shoulders 12.1 mi. road between point 1 mi. north of Bradley and San Ardo and 11 mi. road between San Ardo and San Lucas, Monterey Co., to F. W. Nighbert, Bakersfield, $35,200 and $31,005 respectively, e. e. $38,400 and $31,590; crushed gravel or stone widening 10 mi. road between point 6 mi. east of Los Banos and San Joaquin River, Merced Co., to Kaiser Paving Co., Amer. Bank Bldg., Oakland, $23,368 e. e. $24,130; concrete paving 8 mi. road through town of Corning, Tehama Co., to E. A. Burns, Stockton, $36,922 e. e. $39,170; concrete paving 7.6 mi. and gravel or stone surfacing 1.2 mi. road between Healdsburg and Mark West Creek and near Santa Rosa, Sonoma Co., to Galbraith & Janes, P. O. Box 539, Napa, using rein.-con. culverts, $278,466 e. e. $296,933; crushed stone or gravel surfacing 11.6 mi. road between Tahoe City and Nevada State line, Placer Co., to Bishop & Brooks, 201 Hagelstein Bldg., Sacramento, $23,912 e. e. $23,520, 6 mi. road between Floriston and Nevada State line, Nevada and Sierra Counties, to Nevada Contg. Co., Fallon, Nev., $313,088 e. e. $264,218. Grand total $741,960. Noted June 4 and 25.

Calif., Culver City — Grading, curbing and concrete paving portions of Oregon Ave., etc., to Braun, Bryant & Austin, P. O. Box 477, Inglewood, $57,241.

Calif., El Cerrito — Grading and Warrenite on concrete surfacing Elm, Liberty Sts., etc., to Crocker Co., 58 2nd St., San Francisco, $207,965. Noted June 25.

Calif., Los Angeles—Grading, curbing and sidewalks, etc. on 11,884 sq.ft. 24th St., and grading, curbing, guttering, and paving Bronson Ave., to Griffith Co., Los Angeles

Streets and Roads (Continued)

Ry. Bldg., $15,689 and $18,892 respectively, engrs. est. $16,828 and $19,829 respectively; paving Armstrong Ave., to T. W. Oglesby, Santa Ana, $59,293 engrs. est. $63,758. Grand total $93,874.

Calif., Merced—Willite paving portions of Q, 22nd and 23rd Sts., etc., to Valley Paving & Constr. Co., Visalia, approximately $50,250. Noted Apr. 30.

Calif., Venice—Grading, curbing, guttering, and 6 in. concrete paving, 122,310 sq.ft. 6 in. Rialto Ave. between Lincoln Blvd. and Electric Ave., to W. Crawford, Venice, $26,198. Noted June 11.

B. C., North Vancouver—Improving various streets with 7 in. concrete paving and 9 in. shoulders, to Dawson Wade & Co., Behins Bldg., Vancouver, $25,150. Engrs. est. $25,000.

Buildings—Industrial

PROPOSED WORK

Me., Washburn—MILL—Amer. Realty Co. plans reconstructing lumber mill, recently destroyed by fire. To exceed $40,000. Engineer and architect not selected.

Mass., Boston—REPAIR GARAGE and STORAGE—W. W. Drummey, archt., 80 Boylston St., making sketches 2 story, 75 x 220 ft., brick and timber, Clayton St. $100,000. Owner's name withheld.

Mass., Dorchester (Boston P. O.)—FACTORY—James Russell Boiler Wks. Corp., 9 Dewar St., having preliminary plans prepared by Monks & Johnson, 99 Chauncy St., Boston, 1 story, brick and steel addition. $40,000 or more.

Mass., Somerville (Boston P. O.) — MANUFACTURING, etc.—New England Vinegar Wks., Inc., retained Lockwood, Greene & Co., engrs., 24 Federal St., Boston, to prepare plans and supervise construction of 3 story and basement, 51 x 118 ft. manufacturing building, 14 x 32 ft. brick and concrete boiler house, 29 x 32 ft. brick barrel storage shed, 13 x 19 ft. coal storage bin, and 6 x 9 ft. incinerator.

Mass., Willimansett—STORAGE—B. F. Perkins & Son, Inc., Holyoke, retained Lockwood, Greene & Co., engrs., 24 Federal St., Boston, to prepare plans and supervise construction 2 story, 80 x 150 ft., brick and steel pattern storage building, and 1 story, 60 x 260 ft. machine shop.

Conn., Seymour — FACTORY — New Haven Copper Co., 79 Main St., plans new plant. $50,000.

Md., Baltimore — FACTORY — Pioneer Hardwood Flooring Co., Ashland Ave. and 8th St., had plans prepared by F. W. Steiner, 124 North Lakewood Ave., 1 story, 120 x 245 ft., hollow tile, Ashland Ave. and 8th St. $50,000.

Ga., Warsaw—MILL—Twin Tree Lumber Co., Hopkins, plans modern equipped mill, 20,000,000 ft. capacity, near here.

Tenn., Memphis—LAUNDRY—Memphis Steam Laundry, North 2nd St., purchased 300 x 500 ft. site, and plans new laundry, Jefferson St. back of Baseball Park. To exceed $150,000.

O., Canton—FACTORY—Weber Dental Mfg. Co., Cherry Ave. S. E., plans two 1½ story, 33 x 100 ft., and 33 x 150 ft., brick and concrete additions. $40,000.

O., Cleveland — FACTORY — German Baptist Publication Society, H. P. Donner, business mgr., 3804 Payne Ave., had plans prepared by A. G. Simon, Hippodrome Bldg., 1 and 2 story, 27 x 75 ft. and 30 x 50 ft., brick and timber, East 38th St. and Payne Ave. $40,000.

O., Cleveland — POWER HOUSE — See "Buildings—Commercial."

Mich., Detroit — FACTORY — Michigan Brush Mfg. Co., 3701 Michigan Ave., having plans prepared 1 story, brick, steel and concrete addition. $50,000. S. Scott, pres. Private plans.

Ill., South Beloit (mail Beloit, Wis.) — FACTORY—Freeman Shoe Mfg. Co., 300 St. Paul Ave., Beloit, Wis., having plans prepared by H. J. Esser, engr. and archt., 82 Wisconsin St., Milwaukee, Wis., 3 story, 42 x 250 ft., and 52 x 80 ft. factory, also 20 x 40 ft. boiler house, brick and timber, plain foundations, here. $85,000.

Wis., Merrill — CONDENSORY — Page Milk Co., R. B. Page, pres., plans 2 story, brick and concrete or brick and timber condensory. $150,000. Engineer and architect not selected.

Wis., Racine — DAIRY PLANT — H. W. Voeltz, archt., 373 Bway., Milwaukee, preparing plans 2 story and basement, 62 x 80 ft. dairy plant, brick and concrete. $65,000. Owner's name withheld.

Mo., Kansas City—FACTORY—Carnie-Goudie Mfg. Co., 22nd St. and Grand Ave., having plans prepared by Shepard & Wiser, R. A. Long Bldg., 4 story and basement, 70 x 115 ft., brick, plain foundation, 26th and Pennsylvania Sts. $100,000 plus.

Mo., Kansas City—REPAIR STATION, etc.—City, c/o W. B. Buchholz, chn. Fire & Water Bd., City Hall, plans repair station and training school for Fire Dept. $190,000. Engineer and architect not selected.

Ark., Fayetteville—POWER PLANT—Southwest Power Co. had preliminary plans prepared 2 story, 70 x 100 ft., rein.-con. and brick power plant. W. B. Miser, genl. mgr. Private plans.

Tex., Beeville—FACTORY—Grunder Industries, Inc., soon takes bids 1 story, 160 x 396 ft. steel cotton compress. $60,000. Private plans.

Tex., Hot Wells—PLANT—San Antonio Boot Co., 1602 East Houston St., San Antonio, making plans brick and timber addition to plant just purchased, near here. $150,000. Private plans.

Okla., Bernice—POWER PLANT, etc.—Public Service Co. of Oklahoma, 107 East 40th St., Tulsa, making preliminary plans power house 180 ft. long, and 640 ft. power dam, 40 ft. high, incl. 10 flood gates, etc., on Grand River, near here. $2,500,000. J. McCrary, c/o owner, engr.

Calif., Oakland—PLANT—Willys-Overland Co., 1299 Bush St., San Francisco, having preliminary plans prepared by Austin Co. of California, 244 Kearny St., San Francisco, auto assembling plant, here. To exceed $150,000.

Calif., Pomona — BOILER HOUSE—State of California, having plans prepared by B. G. McDougall, Forum Bldg., Sacramento, boiler house, here. $40,000.

Calif., Springville—BOTTLING PLANT—Crescent Bottling Wks., Porterville, purchased site and plans bottling plant, here. $45,000 incl. equipment.

Calif., Ukiah—BOILER PLANT—State of California, having plans prepared by B. G. McDougall, Forum Bldg., Sacramento, boiler plant and equipment, for Mendocino State Hospital, here. $49,000.

Calif., San Quentin — LAUNDRY — See "Buildings—Commercial."

BIDS DESIRED

Mass., Cambridge—(Boston P. O.)—FACTORY—Cambridge Rubber Co., 748 Main St., taking bids 4 story, 80 x 100 ft., rein.-con. and brick, Main and Windsor Sts. $125,000. J. R. Worcester & Co., 79 Milk St., Boston, archts. Noted May 21.

Mass., Pittsfield — MILL — Pontoosic Woolen Co., taking bids 1 story, rein.-con., steel and stone mill. To exceed $40,000. C. T. Main, 200 Devonshire St., Boston, archt.

O., Cleveland—FACTORY and WAREHOUSE—Sterling Brass Co., S. Weil, pres., 9600 St. Catherine Ave., taking bids 2 story and basement, 40 x 125 ft., brick and steel factory and warehouse. $50,000. A. Sogg, 3030 Euclid Ave., archt. Noted Jan. 8.

Mich., Detroit—July 6, by A. Kahn, 1000 Marquette Bldg., 3 story, 84 x 580 ft., rein.-con., brick and steel, plain foundation, Connors and Knodell Aves., for Hudson Motor Car Co., 12601 East Jefferson Ave.

Mo., St. Louis — PLANT — Lungstras Dyeing & Cleaning Co., 13th St. and Park Ave., taking bids 1 story and part basement, 40 x 120 ft., and 150 x 320 ft., brick and steel, Vandeventer and Accomac Sts. Private plans.

Calif., Fresno—SHOP—July 13, by State Hy. Comn., Sacramento, 1 story, timber and iron maintenance shop and truck shed, here. R. M. Morton, state engr.

CONTRACTS AWARDED

Conn., Hartford — BOILER HOUSE — Connecticut Mutual Life Insurance Co., 36 Pearl St., 2 story, 50 x 70 ft., brick and steel, Collins St., to H. C. Irons & Sons, Inc., 101 Park Ave., New York City. Archts. est. $60,000.

Conn., Seymour — FACTORY — Tingue Manufacturing Co., 6 Factory St., will build 1 story, 40 x 120 ft., brick addition, by day labor. Archts. est. $40,000. Private plans.

Conn., Stafford Springs—DYE HOUSE—Warren Woolen Co., 3 story, 70 x 100 ft. dye house, and coal dock, both rein.-con., to Aberthaw Co., 27 School St., Boston, $65,000.

Mass., Roxbury (Boston P. O.)—FACTORY—A. J. Tower Co., 18 Simmons St., Factory 6, 5 story and basement, 75 x 100 ft., rein.-con., brick and steel, to Whidden Beekman Constr. Co., 100 Boylston St., Boston. Archts. est. $85,000.

Mass., Worcester—WAREHOUSE—Budish & Kaplin, 20 Bridge St., 2 story and basement, 80 x 142 ft., rein.-con. and brick, Bridge St., to U. Dorais, Exeter St. Archts. est. $150,000. Noted April 23.

Pa., Phila.—FACTORY—Atlas Electric Co., 1218 Hamilton St., 3 story and basement, 56 x 72 ft., brick, plain foundation, 916 Green St., to Farrell-Roth Co., 1624 Spruce St. Noted Apr. 9.

Pa., Phila. — FACTORY — H. O. Wilbur Co., 3rd and New Sts., 4 story and basement, 27 x 55 ft. candy factory rein.-con. and brick, plain foundation, to W. Steele & Sons Co., 219 North Broad St.

O., Cleveland—BOILER HOUSE—American Steel & Wire Co., c/o J. N. Fleming, purch. agt., Rockefeller Bldg., 1 story 106 x 140 ft. boiler house, 78 ft. high, steel frame and corrugated steel siding along Cuyahoga River, to Amer. Bridge Co., Rockefeller Bldg. Archts. est. $300,000.

O., Cleveland — FACTORY, etc. — Dust Recovering & Conveyor Co., F. L. Jorgenson, pres., 2130 St. Clair Ave., 1 story 90 x 180 ft. factory, and 2 story, 40 x 40 ft. office building, brick, steel and concrete, East 116th St. and Harvard Ave., to H. K. Ferguson Co., 4900 Euclid Ave. Archts. est. $75,000.

O., Cleveland—FACTORY, etc.—Industrial Fibre Co., c/o C. A. Nau, constr. mgr., 9801 Walford Ave., 1 story, 100 x 200 ft., 50 x 80 ft., 20 x 60 ft., 25 x 40 ft., 41 x 200 ft., and 100 x 100 ft. brick, steel and concrete factory additions and extensions, to M. B. Parker Constr. Co., 1836 Euclid Ave. Archts. est. $300,000. Noted June 25.

O., Lorain—ENAMELING ROOM—American Stove Co., 1 story, 60 x 110 ft. enameling room addition, to Graupner & Ule, Lorain. Archts. est. $40,000.

Ill., Chicago—PLANT—General Carbonic Co., 17 West 46th St., New York City, 1 story, concrete brick and steel, etc., here, to Austin Co., 16112 Euclid Ave., Cleveland, Ohio.

Wis., Burkhardt—POWER PLANT—See "Dams."

Wis., Clintonville—FACTORY—Clintonville Milk Co., c/o J. Winkler & G. E. Schulz, will build 2 story, 40 x 100 ft. and 42 x 56 ft., brick and concrete, plain foundation, by day labor. $70,000. Private plans.

Wis., Waukesha—MANUFACTURING—Eckerman & Ruddell, (engrs., archts. and contractors), 279 Layton Blvd., Milwaukee, will build 2 story and basement, 52 x 77 ft., brick and timber, plain foundation, here, for Waukesha Jelly Powder Co., Bway. and East Ave. $40,000. Noted June 25.

Wis., Waukesha—FACTORY—Manitowoc Church Furniture Co., 1214 Lincoln Ave., will build 1 story, rein.-con. addition, plain foundation, by day labor. Private plans.

Kan., Wichita — FACTORY — Hayes Equipment Co., Sedgwick Bldg., 1 story and basement, 126 x 150 ft., brick and rein.-con. factory, to Vandenburg & Son, 119½ South Lawrence St.

Tex., Houston—FACTORY—Hughes Tool Co., Hughes St., will build 1 story, 140 x 140 ft., rein.-con. and timber addition, 300 Hughes St., by day labor. $40,000. Engineer and architect not announced.

Tex., Lufkin—PLANT—S. F. McDonald, Trinity, will build 20 ton capacity ice plant, by day labor. $45,000. Engineer and architect not announced.

Calif., San Francisco—SUB-STATION—Pacific Gas & Electric Co., 245 Market St., will built 4 story, steel and concrete, Leidesdorff and Sacramento Sts., by day labor.

B. C., Vancouver — FACTORY — Amer. Can Co., Railway St., will build 5 story, 104 x 204 ft., rein.-con., Railway St., by day labor. $475,000. C. G. Preis, San Francisco, engr.

Buildings—Commercial

PROPOSED WORK

Mass., Boston — HOME — Old Peoples Home, M. Morse, chn. com., Hotel Avery, having plans prepared by Kroklyn, Browne & Rosenstein, 220 Devonshire St., 3 story and basement, 70 x 90 ft., two 30 x 90 ft. dormitories, also heating plant, etc., rein.-con. and brick, plain foundations. $500,000.

Mass., Boston—HOTEL—E. N. Wyner, 18 Tremont St., plans hotel, Newbury and Clarendon Sts. To exceed $150,000. Engineer and architect not selected.

Conn., New Haven — GARAGE — E. M. Jennings Co., 347 Crown St., having plans prepared by Norton & Townsend, 405 Temple St., 1 story, 98 x 285 ft., and 50 x 75 ft., brick and steel, 250 Whalley Ave. $150,000 or more.

Pa., Phila.—STORE and APARTMENT—W. Freihofer, 20th and Indiana Sts., having revised plans prepared by Murphy & Talley, Drexel Bldg., 4 story and basement, 185 x 242 ft., Franklin Ave. and Foulkrod St. Former bids rejected. Noted Mar. 12.

Pa., Phila.—THEATRE, etc.—Ogontz & Church Lane Realty Co., c/o Magaziner, Eberhard & Harris, archts., 603 Chestnut St., and Hoffman-Henon Co., archts., Finance Bldg., having plans prepared 2 and 3 story, 550 ft. frontage, brick, theatre,

Buildings—Commercial (Continued)

store, apartment and bank building, plain foundation, Ogontz Ave. near Chelton Ave.

Del., Newark—DORMITORY—Delaware University plans dormitory. $235,000 appropriated. Day & Klauder, Franklin Bldg., Phila., Pa., archts.

D. C., Wash. — HOTEL — Cosmopolitan Hotel Co., having plans prepared by Milburn, Heister & Co., Union Savings Bank Bldg., 9 story and basement, 63 x 75 ft., fireproof, 13th and H Sts.

Fla., Ft. Lauderdale—STORE—Pioneer Dept. Store, having plans prepared by A. Ten Eynck Brown, Forsyth Bldg., Atlanta, Ga., and Miami, 3 story (ultimately 5 story) department store, Ocala Ave. $150,000.

O., Canton — MERCANTILE — J. J. Joseph, 411-415 Tuscarawas St. E., plans 3 story and basement, 132 x 200 ft., brick and steel, Tuscarawas St. W. and Newton Ave. $175,000.

O., Cleveland—EXCHANGE—Ohio Bell Telephone Co., E. F. Morrill, construction supt., 5300 Euclid Ave., having plans prepared 2 story and basement, 81 x 81 ft., brick, steel and concrete, West 35th St. $150,000. Private plans.

O., Cleveland—HOSPITAL—Marine Hospital, c/o J. P. Bahrenburg, major, East 9th St. and Lakeside Ave., having plans prepared by J. A. Wetmore, archts., Wash., D. C., 1, 2 and 3 story, brick, steel and concrete main hospital, nurses home, attendants home and power house, East 124th St. and Fairmount Rd. $1,000,000.

O., Lima—BANK and OFFICE—Lima Trust Co., Market and Pub. Sq., having plans prepared by Weary & Alford, 1923 Calumet Ave., Chicago, Ill., 12 story and basement, 75 x 125 ft., brick and hollow tile bank and office building. $750,000. Noted May 21.

O., Warren—HOSPITAL—City plans addition to hospital. $150,000.

Ind., Ft. Wayne—INFIRMARY—Comrs. Allen Co. having plans prepared by C. R. Weatherhogg, 205 West Wayne St., 2 story and basement, rein.-con. and brick infirmary. $259,000.

Ind., Indianapolis — APARTMENT — A. Bayham, 3543 North Pennsylvania St., having plans prepared H. Z. Dietz, State Savings Bldg., 2 story and basement, 70 x 195 ft., rein.-con., brick and steel, Pennsylvania Ave. $170,000.

Ind., Indianapolis — ARMORY — State Natl. Guard, having plans prepared by Ostrom Realty Co., Peoples Bank, 2 and 4 story and basement, 102 x 195 ft., rein.-con., brick and steel, Pennsylvania St. $400,000.

Ind., Indianapolis—HOSPITAL—Methodist Hospital, 1604 North Capitol Bldg., having plans prepared by Vonnegut, Bohn & Mueller, Indiana Trust Bldg., 4 story and basement, rein.-con., brick and steel, North Capitol Ave. $700,000.

Ill., Champaign—MEMORIAL—Columbus Foundation, J. L. Klein, secy., having preliminary plans prepared by E. Houlihan, 155 North Clark St., 3 story and basement, rein.-con., brick and stone, 6th and Armory Sts. $1,000,000.

Ill., Chicago—INFIRMARY—State Building Comn., Springfield, plans new infirmary, here. $400,000. Engineer not selected. Address State Architect.

Ill., Granite City—HOSPITAL—Sisters of Divine Providence, c/o St. Elizabeths Hospital, making preliminary plans rein.-con., brick and stone, Madison St., to replace St. Elizabeths Hospital. $500,000. Engineer and architect not announced.

Ill., Joliet—OFFICE and STORE—T. C. Scott having preliminary plans prepared by H. W. Tomlinson, 21 Morris Bldg., 1 and 2 story and basement, 165 x 280 ft., rein.-con., brick and stone, Jefferson and Van Burean Sts.

Wis., Milwaukee — HOTEL and BUSINESS—A. Tegtmeyer, 401 Grand Ave., having plans prepared by M. Tullgren & Sons, 425 East Water St., 10 story and basement, 50 x 150 ft., brick and concrete, plain foundation, Grand Ave. $400,000. Noted Jan. 15.

Wis., Milwaukee—THEATRE—Colonial Amusement Co., 984 Sherman Blvd., having preliminary plans prepared by Dick & Bauer, 811 State St., 2 story and basement, 50 x 225 ft., brick, terra cotta and concrete, plain foundation, Vliet St. $300,000.

Minn., Faribault—DORMITORY—Shattuck School, C. W. Newhall, having plans prepared by C. H. Johnston, 715 Capital Bank Bldg., St. Paul, 3 story and basement, rein.-con. and limestone dormitory. $150,000.

Minn., Minneapolis—TERMINAL—City, H. N. Knott, city clk., had sketches made 6 story, rein.-con. and brick terminal and docks, Mississippi River, foot of 4th St. $300,000. F. M. Henry, 513 Lumber Exch., engr.

S. D., Redfield—COURT HOUSE—Spink Co. voted $350,000 bonds, 3 story and basement, rein.-con., brick and stone court house. J. P. Wolf, co. aud.

Mo., Kansas City—BANK and OFFICE—City Bank, 1601 Grand Ave., having plans prepared by Holden, Ferris & Barnes, 1016 Baltimore St., 6 story and basement, 84 x 115 ft., concrete and steel, plain foundation, 18th St. and Grand Ave. $600,000.

Mo., Kansas City—HOTEL—Drake Hotel, 404 Title & Trust Bldg., had plans prepared by W. J. Koch, 801 Mutual Bldg., and soon takes bids 8 story and basement, 42 x 132 ft. hotel. $450,000.

Mo., St. Louis — HOSPITAL — St. Anthony's Hospital, Grand Blvd. and Chippewa St., having preliminary plans prepared 3 story and basement, rein.-con., brick and stone addition, Chippewa St. and Grand Blvd. $500,000.

Mo., St. Louis—OFFICE—P. Brown, c/o I. T. Cook, Arcade Bldg., having plans prepared by P. J. Bradshaw, International Life Bldg., 10 story and basement, 108 x 116 ft., steel, brick and terra cotta top addition, 9th and Pine Sts. A. Monschein, 1727 Arcade Bldg., engr.

Mo., St. Louis — STORE, etc. — S. S. Kresge Co., 526 Fulton St., New York City, N. Y., and Kresge Bldg., Detroit, Mich., having plans prepared by H. Holmes, c/o owner, 2 story and basement, Easton and Hodiamont Sts., here. $200,000.

Ark., Texarkana — CITY HALL — City soon takes bids 3 story, 72 x 120 ft., rein.-con., brick, tile and terra cotta, 3rd and Walnut Sts. $200,000. Witt, Seibert & Halsey, Texarkana Natl. Bank Bldg., archts. Noted June 25.

Tex., Abilene—BUSINESS—Minter Dry Goods Co., c/o G. L. Minter, having plans prepared by D. S. Castle Co., 26-31 Radford Bldg., 3 story and basement, 50 x 140 ft., rein.-con., brick and terra cotta, 244-46 Pine St. $200,000.

Tex., Beaumont—THEATRE—Stock Co., having plans prepared and soon takes bids 80 x 150 ft., rein.-con., brick and stone, plain foundation. $500,000. E. Weil, 3607 St. Charles St., New Orleans, La., engr.

Tex., Brownsville—DORMITORY—Sisters of Incarnate Word & Blessed Sacrament having plans prepared by H. P. Smith, engr., and archt., Natl. Bank Commerce Bldg., San Antonio, 2 story and basement, rein.-con., brick and stone, plain foundation. $300,000.

Tex., Ft. Worth—STORE—V. Z. Jarvis, c/o Ft. Worth Natl. Bank, having plans prepared by W. G. Clarkson & Co., 1st Natl. Bank of Ft. Worth, 3 story and basement, 95 x 100 ft., rein.-con., brick and steel, plain foundation, Houston St. $300,000.

Tex., San Antonio—CLUB—San Antonio Club, 303 Alamo Pl., W. W. King, member Building Com., purchased site and plans 5 story and basement, about 88 x 110 ft., rein.-con., brick, tile and stone, plain foundation, Crockett and North Press Sts. $250,000. Engineer and architect not selected.

Tex., San Antonio—COURTHOUSE, etc.—Bexar Co., election soon $1,000,000 bonds, annex to courthouse; also $500,000 bonds, remodeling present building. A. McCloskey, San Antonio, co. judge. Noted Jan. 8.

Tex., San Antonio — DEPOT — Missouri Pacific R.R. Co., Ry. Exch., St. Louis, Mo., E. A. Hadley, ch. engr., and International & Great Northern R.R. Co., Electric Bldg., Houston, F. S. Schwinn, ch. engr., having plans prepared new passenger depot on North Side near Summit Ave., here. $250,000 or more. Private plans.

Tex., San Antonio — HOTEL, APARTMENT, OFFICE and THEATRE—S. L. Jeffers, 1 Bushnell Pl., having plans prepared by H. T. Phelps, engr. and archt., 519 Hicks Bldg., 12 story and basement, 129 x 141 ft. hotel, $1,300,000; 12 story and basement, 58 x 137 ft. apartment hotel, $1,000,000; and 12 story and basement, 50 x 150 ft. office and theatre building, $800,000, all rein.-con., brick and stone, plain foundations, 3rd St. and Ave. E.

Tex., Wichita Falls — AUDITORIUM — Election soon $500,000 bonds, new auditorium. W. E. McBroon, city secy. Engineer and architect not announced.

Ariz., Nogales—HOTEL—H. B. Shreve, Montezuma Hotel, plans hotel, Morley Ave. $300,000. Engineer and architect not selected.

Calif., Aptos—HOTEL—Monroe-Lyon & Miller, c/o B. Schreyer, archt., 105 Montgomery St., San Francisco, having preliminary plans prepared fireproof hotel. $1,000,000.

Calif., Brawley—HOTEL and STORE—Community Hotel Corp., having preliminary plans prepared by Murray & Chesebro. 4707 Hollywood Blvd., Los Angeles, 3 story, rein.-con. hotel and store building. $150,000.

Calif., Fresno—BANK—Bank of Italy, Fulton and Tulare Sts., having plans prepared 2 story or more, fireproof bank annex, Tulare and Fulton Sts. $500,000.

Calif., Inglewood — WAREHOUSE — Inglewood Industries, Inc., had plans prepared by Austin Co. of California, 777 East Washington St., Los Angeles, 4 story, 200 x 300 ft., concrete, Centinela Blvd. and La Colina Dr. $400,000.

Calif., Los Angeles—APARTMENT—S. Brown, archt., Lincoln Bldg., preparing preliminary plans 4 story and basement, 85 x 165 ft., brick, 6th and Vermont Aves. $150,000. Owner's name withheld.

Calif., Los Angeles—CLUB—Concordia Club having plans prepared by S. Brown, Lincoln Bldg., 3 story and basement, 85 x 160 ft., brick, 4th St. $150,000.

Calif., Los Angeles — CLUB — Hillhurst Club, E. M. McGreen, chn. Bldg. Com., had preliminary plans prepared by A. C. LeBrun, 6656 Hollywood Blvd., 4 story and basement, 100 x 135 ft., Hillhurst Ave. and Hollywood Blvd. To exceed $150,000.

Calif., Los Angeles — HOSPITAL — Los Angeles Co., having plans prepared by W. Davidson, 1016 Hall of Records Bldg., 3 story, 60 x 160 ft., rein.-con. ward building, Mission Rd. $150,000.

Calif., Los Angeles—THEATRE—Wholesale Properties Corp., C. W. Erwin, pres., Westlake Professional Bldg., having plans prepared by R. M. Bates, Jr., Brack-Shops Bldg., 4 story, 115 x 180 ft., brick and terra cotta, Alvarado St. and Wilshire Blvd. $500,000. West Coast-Langley Circuit, lessee.

Calif., Norwalk — HOSPITAL — State Building Comn., Sacramento, plans 3 fireproof hospital buildings, at Norwalk State Hospital, here. $400,000. B. G. McDougall, Forum Bldg., Sacramento, state archt.

Calif., Oakland—OFFICE and STORE—Latham Square Corp., c/o M. I. Diggs, archt., 17th St and Telegraph Ave., having plans prepared 14 story and basement, Class A, 16th St. and Telegraph Ave. $1,000,000.

Calif., Pomona — BUILDINGS — State Building Comn., Sacramento, plans miscellaneous structures, for Pacific Colony, here. $280,000. B. G. McDougall, Forum Bldg., Sacramento, state archt.

Calif., Patton—HOSPITAL—State Building Comn., Sacramento, having plans prepared by B. G. McDougall, Forum Bldg., Sacramento, fireproof hospital units, east and west wings, here. $170,000.

Calif., San Fernando—DORMITORIES—Los Angeles Co. (Los Angeles), having plans prepared by W. Davidson, 1016 Hall of Records Bldg., Los Angeles, five 2 story, 30 x 115 ft., timber, at Olive View Sanitarium, here. $150,000.

Calif., San Francisco—LABORATORY—State of California, having plans prepared by B. G. McDougall, Forum Bldg., Sacramento, laboratory group, for State Teachers' College, here, $160,000.

Calif., San Quentin—WOMENS BUILDING, etc.—State of California, having plans prepared by B. G. McDougall, Forum Bldg., Sacramento, women's building, $150,000; cell block $168,000, and laundry $40,000, at State Prison, here.

Calif., Stockton—FARM BUILDINGS—State Building Comn., Sacramento, plans farm buildings at State Hospital, here. $158,500. B. G. McDougall, Forum Bldg., Sacramento, state archt.

Calif., Ukiah—HOSPITAL—State Building Comn., Sacramento, plans 2 ward cottage buildings, and custodial unit, at Mendocino State Hospital, here. $282,000. B. G. McDougall, Forum Bldg., Sacramento, state archt.

B. C., Vancouver—STORE—McCarter & Nairne, archts., 509 Richards St., Hastings, take bids about Aug. 17, 8 story and 2 basements, 104 x 260 ft., rein.-con., terra cotta and brick, Cordova, Hastings and Richards Sts., for David Spencer, Ltd. $1,500,000.

BIDS DESIRED

Me., Biddeford—HOME—Webber Hospital, E. H. Goldthwaite, chn. com., taking bids 2 story and basement, brick and stone, plain foundation, Elm St. $150,000. H. S. Coombs, 11 Lisbon St., Lewiston, archt. Noted June 18.

Mass., Malden — THEATRE — Ramsdell Bros., Orpheum Theatre, taking bids 1 and 2 story and basement, rein.-con., brick and steel, plain foundation, Dartmouth and Pleasant Sts. $400,000. R. D. Kimball Co., 6 Beacon St., Boston, engrs. Mowl & Rand, 21 School St., Boston, archts. Noted Apr. 23.

Buildings—Commercial (Continued)

Mass., Quincy (Boston P. O.)—STORE and OFFICE—H. M. Faxon, 300 Adams St., will build 2 story and basement, 97 x 190 ft., rein.-con. and brick, plain foundation Saville St. and New Way. $175,000. Work will be done by separate contracts. Shepad & Stearns, 75 Franklin St., Boston, archts.

N. Y., Ithaca—HOSPITAL—July 21, by C. B. Bostwick, comptroller Cornell University, construction additions and alterations, etc., to Veterinary Hospital. W. Jones, Capitol Bldg., Albany, state archt.; adv. E. N.-R. July 2.

Pa., Easton—DORMITORY—July 8, by Thomas, Martin & Kirkpatrick, archts., Otis Bldg., Phila., Easton Hall, 3 story and basement, 38 x 134 ft., brick, plain foundation, here, for Lafayette College. $150,000.

Pa., Hanover—HOTEL—July 10, by W. L. Stoddard, archt., 50 East 41st St., New York City, R. McAlister Hotel, 5 story and basement, 115 x 159 ft., brick and steel, plain foundation, here, for Community Hotel Co. $500,000.

Pa., Oil City—BANK—Weary & Alford, archts., 1923 Calumet Ave., Chicago, Ill., taking bids 4 story, mezzanine and basement, 63 x 100 ft., brick and terra cott, Seneca and Center Sts., for Oil City Natl. Bank, 49 Seneca St. $500,000. Noted Mar. 5.

Pa., Phila. — BANK — July 9, by W. L. Blithe, archt., 608 Chestnut St., 2 story and basement, 24 x 214 ft., rein.-con. and brick, plain foundation, 52nd and Market Sts., for Market St. Title & Trust Co. $200,000. Noted Feb. 5.

O., Cleveland — APARTMENT — J. E. Glazer, Ulmer Bldg., taking bids 3 story and basement, 100 x 100 ft., brick and timber, West Blvd. $175,000. L. R. Walker, 1900 Euclid Bldg., archt.

O., Cleveland—APARTMENT—East 86th St. Development Co., c/o S. H. White, archt., 1032 Schofield Bldg., taking bids 4 story and basement, 60 x 97 ft., brick, East 86th St. $150,000.

Mich., Detroit—APARTMENT—A. Clubb, archt., 1312 Penobscot Bldg., taking bids 11 story and basement, 45 x 90 ft., brick, steel and concrete, 2nd and Forest Aves. $150,000. Owners name withheld.

Tex., Houston—WAREHOUSE and OFFICE—July 15, by Crane Co., c/o Y. H. Groenlund, 2205 McKinney Ave., 3 story and part basement, 100 x 250 ft., rein.-con., brick and tile, McKinney Ave. and Hutchins St. $175,000. Engineer and architect not announced.

Calif., Los Angeles — APARTMENT — L. A. Smith, archt., Lily-Fletcher Bldg., taking bids 4 story and basement, 50 x 125 ft., brick and steel, 7th and Mariposa Aves. $150,000. Owner's name withheld.

Calif., Berkeley—STORE and OFFICE—Central Berkeley Building Co., c/o W. H. Ratcliff, Jr., Mercantile Bank Bldg., will build 12 story and basement, steel, concrete and brick, center St. and Shattuck Ave. $500,000. Work will be done by separate contracts.

Calif., San Francisco—APARTMENT—F. S. Holland, archt., 1629 Folsom St., taking bids 5 story and basement, rein.-con., Larkin St. near Geary St. for A. West, c/o architect. $150,000.

Calif., San Bernardino—THEATRE and STORE—C. R. Selkirk, archt., Amer. Bank Bldg., Los Angeles, taking bids 2 story and basement, 140 x 160 ft., rein. con. and steel, for Mayer Picture Corp., Hollywood. $250,000.

BIDS RECEIVED

Conn., South Manchester—TOWN HALL—Town Bd. Selectmen, Hall Records, Manchester 2 story and basement, rein.-con. and brick, plain foundation, Center St., from Manchester Constr. Co., 953 Main St., $179,000. Noted June 4, under "Manchester."

N. J., Glen Gardner—HOSPITAL—Bd. Institutions & Agencies, Trenton, June 16, from De Risso Co., Inc., Union City, 2 story, 300 ft. long, Childrens Unit $272,000, 2 story employees building $73,840, 2 story infirmary $87,746, all above, here, for New Jersey Sanatorium for Tuberculosis. Noted June 11.

Mich., Detroit—HOSPITAL—Pub. Welfare Comn., Clinton and Raynor Sts., altering and constructing 9 story and basement, rein.-con., brick, stone and steel, addition to hospital group, Clinton St., from W. E. Wood Co., 1805 Ford Bldg., $936,961.

CONTRACTS AWARDED

Mass., Braintree — BANK — Braintree Savings Bank, G. H. Sampson, chn., 2 story and basement, brick, plain foundation, Washington and Summer Sts., to R. H. Howes Constr. Co., Park Sq. Bldg., Boston. Archts. est. $150,000. Noted Apr. 23.

Mass., Lynn — HOSPITAL — Lynn Hospital, 528 Broad St., H. M. Hoague, pres., 4 and 5 story and basement, 45 x 130 ft., brick and stone, plain foundation, to C. S. Cunningham & Sons, 80 Boylston St., Boston. Archts. est. $150,000. Noted Apr. 30.

Mass., Worcester—OFFICE and STORE—B. Press, Monadnock St., will build 5 story and basement, brick, Front St., by day labor. $175,000. E. T. Chapin, 340 Main St., archt.

N. Y., New York—OFFICE—Real Estate Bd., c/o Starrett & Van Vleck, archts., 8 West 40th St., 17 story, brick, stone and steel, plain foundation, 14 East 41st St., to G. Richard Davis & Co., Inc., 30 East 42nd St. Noted Feb. 12.

N. Y., New York—OFFICES—Sloan & Robertson, archts. and engrs. 1 Pershing St., 21 story, brick, steel and stone, plain foundation, Cedar and Williams St., and altering 15 story office building, 57 Williams St., to George A. Fuller Co., 949 Bway., for Cedar Williams Street Corp., c/o architects. Archts. ests. $2,500,000 and $200,000 respectively. Noted June 4.

N. J., Newark — BANK and OFFICE — Federal Trust Co., 740 Broad St., 18 story, brick and steel and stone, plain foundation, Commerce and Broad Sts., to Public Service Production Co., 80 Park Pl., Newark. Archts. est. $1,250,000. This corrects report in June 18 issue.

Pa., East Pittsburgh (Pittsburgh P. O.) —OFFICE—B. H. Prack, archt., Martin Bldg., Pittsburgh, general contract 11 story, 52 x 360 ft., brick on hollow tile, here, to B. A. Groah Constr. Co., 847 West North St., N. S. Pittsburgh, for Westinghouse Electric & Mfg. Co. Noted June 4.

Pa., Erie—WAREHOUSE—General Electric Co., general contract 2 story and basement, 183 x 444 ft., brick, to J. C. Hammond, 224 Lincoln Ave.

Pa., McKeesport — HOTEL—McKeesport Community Hotel Co., c/o R. F. Dylany, general contract 4 story and basement, 120 x 140 ft., brick and stone, Blackberry St. and 5th Ave., to Blair & Mack McKeesport, $323,000. Noted June 11.

Pa., Nazareth—DORMITORY—Poor Directors Northampton Co., 2 story and basement, 27 x 97 ft., with three 32 x 116 ft. wings, brick, plain foundation, to Ochs Constr. Co., 440 Wire St., Allentown, $118,-350. Noted June 11.

Pa., Phila.—OFFICE—D. B. Bassett, (owner and archt.), 1520 Locust St., 12 story and basement, 20 x 25 ft., and 40 x 46 ft., brick and steel, plain foundation, 1518-20 Locust St., to F. G. Stewart, 1518 Locust St. Archts. est. $165,000. Noted Feb. 19.

Pa., Upper Darby (Phila. P. O.) — APARTMENT—M. P. Levy, 4 story and basement, 100 x 200 ft., brick, plain foundation, West Chester Rd., and Briefar St., to Boyle-Robertson, 16th and Harvard Sts. N. W., Wash., D. C. Archts. est. $800,000.

Pa., Reading — APARTMENT — W. A. Rigg, Colonial Trust Bldg., 4 story and basement, 60 x 220 ft., brick, to Fink Constr. Co., 658 Pennsylvania St. Archts. est. $330,000. This corrects report in June 18 issue.

La., Baton Rouge — DORMITORIES — University of Louisiana, c/o L. H. Himes, secy., general contract four 2 story, 29 x 197 ft., brick and steel, to Caldwell Bros., 816 Howard Ave., New Orleans, $374,421.

Ky., Covington—HOSPITAL—Salvation Army, 2nd St., Booth Memorial Hospital, 4 story and basement, rein.-con. and brick, plain foundation, to Wortham Constr. Co., Louisville, $350,000.

Minn., Minneapolis — WAREHOUSE — Natl. Tea Co., O. H. Landin, mgr., 1224 Quincy St., general contract 2 story and basement, brick and timber, 3rd Ave. and 29th St., to S. M. Klarquist & Sons, 750 Security Bldg.

Kan., Pittsburg—HOTEL—O. L. Stann et al., Commerce Bldg., general contract, 6 story and basement, rein.-con., brick and stone, Locust and East 4th Sts., to Reyburn Eng. & Constr. Co., Waldheim Bldg., Kansas City, Mo., Archts. Est. $300,000. Noted Mar. 19.

N. D., Fargo—THEATRE—T. F. Powers (owner and contractor) 419 8th St. N., will build 3 story and basement, 72 x 140 ft., rein.-con. and brick, 313 Bway. $150,000.

Mo., Kansas City—APARTMENT HOTEL—J. J. Smolinsky, 4600 Virginia Ave., and P. Minkin, Ridge Arcade Bldg., will build 7 story and basement, 60 x 101 ft., rein.-con., plain foundation, Armour Blvd. and Tracy St., by day labor. Approximately $200,000. De Foe & Besecke, 17th and Baltimore Sts., archts. Noted May 14.

Tex., Laredo — HOTEL — Lyon & associates, 2 story, basement and roof garden, 98 x 100 ft., rein.-con., brick and stone, Hidalgo and San Bernando Aves., to Walsh & Burney, 928 North Flores St., San Antonio, $236,488.

Tex., Lubbock—HOTEL—Lubbock Hotel Co., c/o R. W. Blair, 6 story and basement, 72 x 120 ft., rein.-con., brick and stone, Bway. and Ave. K, to J. E. Johnson Constr. Co., Waco, $249,770. Noted June 4.

Okla., Newkirk — COURT HOUSE — B. Schoonover, clk. Kay Co., general contract 3 story and basement, 95 x 120 ft., brick and stone, plain foundation, Maple St., to Bass & Son, Enid, $169,956. Noted May 28.

Calif., Los Angeles — APARTMENT — Sutherlin, Barry Co., J. E. Sutherlin, pres., general contract 13 story, 100 x 150 ft., Carondolet and 6th Sts., to Schofield Eng. & Constr. Co., Pacific Finance Bldg. $417,000.

Calif., Los Angeles—APARTMENT—M. J. Nayden, 1212 South Serrano St., 14 story and basement, rein.-con., North Cherokee St., to A. T. Hesse, Union Oil Bldg., Los Angeles, approximately $750,000.

Calif., Los Angeles — APARTMENT — Clarendon Apratments, Inc., 1800 North Vine St., 14 story and basement, 98 x 174 ft., rein.-con. and timber, Vine and Yucca Sts., general contract to H. T. Johnson, 340 Bradbury Bldg., Los Angeles. Archts. est. $1,200,000.

Calif., Los Angeles — APARTMENT — Mayo-Wright Properties, Inc., 3981 West 6th St., will build 5 story and basement, 135 x 150 ft., brick and concrete, Wilshire Blvd., by day labor. $450,000.

Calif., Los Angeles—CLUB—Turn Verein Germania, 2 story, 115 x 265 ft., brick and steel, Washington St., to C. J. Kubach, Merchants Natl. Bank Bldg., Los Angeles, $189,135. Noted June 18.

Calif., Los Angeles—HOTEL—Chapman Bros. Co., 3469 West 6th St., 5 story and basement, 105 x 150 ft., concrete and brick, West 6th St., to Gauger Constr. Co., 426 South Spring St., Los Angeles, approximately $300,000.

Calif., Los Angeles — HOTEL — H. C. Fryman, 14 story and basement, 60 x 82 ft., steel, brick and concrete hotel annex Spring and 6th Sts., to Edwards-Wildey-Dixon, Edwards-Wildey Bldg. Los Angeles, approximately $350,000.

Buildings—Educational, Religious

PROPOSED WORK

Mass., Natick—SCHOOLS—School Com. plans three 1 and 2 story elementary schools. To exceed $150,000. Engineer and architect not selected.

Mass., Roxbury (Boston P. O.)—SCHOOL—City, School House Dept., Boston, having sketches made by C. R. Greco, 11 Beacon St., Boston, 3 story and basement, brick and stone, Kearsarge St. off Warren St., here. $1,200,000.

Mass., Watertown — LIBRARY — C. F. Snow, chn. City Building Com., 62 Langdon Ave., having sketches made by J. D. Leland & Co., 41 Mt. Vernon St., Boston, 2 story, brick branch library, East End Section. $150,000. Noted Feb. 5.

Mass., Worcester — LIBRARY and CHAPEL—Holy Cross College, J. Dinnand, pres, having plans prepared by Maginnis & Walsh, 100 Boylston St., Boston, brick and stone library and chapel. $150,000.

W. Va., Bluefield — HIGH SCHOOL — Voted $600,000 bonds for about 3 story high school. Engineer and architect not selected.

O., Cleveland Heights (Warrensville P. O.) — CHURCH, etc. — Grace Lutheran Church, H. W. Bartels, pastor, 1879 East 66th St., Cleveland, having plans prepared by Corbusier, Lenski & Foster, B. F. Keith Bldg., Cleveland, 1 and 2 story, brick and steel church, Sunday school and parish house, Cedar Rd. $250,000.

Mich., Highland Park (Detroit P. O.)—CHURCH—July 9, by Butterfield & Butterfield, archts., Farmington, 2 story and basement, 90 x 90 ft., rein.-con., brick, stone and steel, Joslyn and Eason Aves., here, for St. Paul's Methodist Church. $150,000.

Ill., Kankakee — HIGH SCHOOL — Bd. Educ. takes bids about July 15, 3 story and basement, rein.-con., brick and stone high school. $500,000. L. T. W. Steube, 415 Adams Bldg., Danville, archt. Noted May 21.

Ill., Urbana — COLLEGE — University of Illinois having preliminary plans prepared by C. A. Platt, consult archt., 101 Park Row, New York City, and J. M. White, supervising archt., University of Illinois, rein.-con., brick and stone college buildings, incl. armory $500,000, architec-

Buildings—Educational, Religious
(Continued)

tural department building $500,000, gymnasium $200,000 and library $200,000.

Wis., Madison—CHURCH—First Congregational Church, R. Barstow, pastor, 2103 Van Hise Ave., plans rein.-con., brick and steel, plain foundation. $150,000. Engineer and architect not selected.

Wis., Madison—SCHOOL—Sacred Heart Academy, Sister Mary Grace, 2209 Monroe St., having plans prepared by A. Kelsey, Perry Bldg., Phila., Pa., 3 story and basement, 100 x 150 ft., rein.-con., brick and steel, plain foundation, Monroe St. $500,000.

Minn., Luverne—SCHOOL—Bd. Educ. soon takes bids superstructure for 3 story and basement school; excavation and foundation for same awarded to A. M. Wold Co., Brookings, S. D., $16,297.

Kan., Kansas City—CHURCH, RECTORY and SUNDAY SCHOOL—St. Pauls Episcopal Church, c/o C. W. Nau, pastor, 710 State Ave., having plans prepared by A. K. Moseley, 351 River St., Troy, N. Y., 1 and 2 story and basement, 100 x 225 ft. brick and Bedford stone, plain foundation, 7th St. and State Aves. $150,000 plus.

Mo., Kansas City—SCHOOL—Bd. Educ. had plans prepared by C. A. Smith, 800 Finance Bldg., 3 story and basement, 45 x 50 ft., and 72 x 184 ft., rein.-con., brick and terra cotta school, incl. library and swimming pool.

Tex., Bastrop — HIGH SCHOOL — Ouachita Parish School Bd., c/o Secretary, plans 2 story and basement, 90 x 200 ft., rein.-con., brick and steel high school. $150,000. J. W. Smith, Monroe, archt.

Tex., Brownsville—SCHOOL—Sisters of Incarnate Word, plans Villa Nueva Academy, rein.-con., brick and stone, plain foundation, on 30 acre plot. $300,000. Engineer and architect not selected.

Tex., Childress — HIGH SCHOOL — Bd. Educ., c/o Secretary, having plans prepared by G. S. Calander, Massie Bldg., Amarillo, 2 story, rein.-con., brick and steel high school. $150,000. Noted Feb. 19.

Tex., Dallas—SCHOOL—Dallas Vocational School, c/o C. A. Jay, pres., Chamber of Commerce Bldg., purchased 15 acre site, vocational school, Cedar Springs Rd. and Missouri, Kansas & Texas Ry. $50,000. Engineer and architect not announced.

Tex., Robstown—SCHOOL—Voted $150,000 bonds for school. Engineer and architect not selected.

Tex., San Antonio—SCHOOLS—Election July 16, $300,000 bonds, constructing Junior High School, at South Side, Berkshire and Yorkshire Sts., and remodeling school building. J. W. Tobin, mayor. Engineer and architect not selected.

Tex., San Marcos — SCHOOL — State Building Comn., Austin, S. B. Cowell, chn. State Bd. Control, having plans prepared by Page Bros., Austin Natl. Bank Bldg., Austin, rein.-con., brick and stone school for Southwest Texas State Teachers College, here. $150,000.

Tex., Wichita Falls—HIGH SCHOOL—Voted $500,000 bonds two Junior High Schools, and repaving present building, for Bd. Educ., W. B. Chauncey, pres. Noted June 18.

Okla., Tulsa — HIGH SCHOOLS — Bd. Educ. takes bids in August, Hollywood Junior High School, 3 story and basement, 133 x 215 ft., Owen Park, $350,000; and Northeast Junior High School, 2 story and basement, 115 x 209 ft., Independence and Alabama Sts., $150,000, both rein.-con., brick and stone. Noted June 25.

Colo., Boulder — CHEMISTRY — University of Colorado, having plans prepared by Day & Klauder, Franklin Bank Bldg., Phila., Pa., 3 story and basement, 2 wings each 66 x 105 ft., brick and stone, plain foundation.

Ariz., Phoenix — HIGH SCHOOL — Election soon $150,000 bonds high school for School Bd. Engineer and architect not selected.

Calif., Huntington Beach — HIGH SCHOOL—Huntington Beach High School Dist., having plans prepared by Allison & Allison, Hibernian Bldg., Los Angeles, fireproof high school buildings. To exceed $300,000. Noted Apr. 2.

Calif., Ione—SCHOOL—State Building Comn., Sacramento, plans state school here. $200,000. B. G. McDougall, Forum Bldg., Sacramento, state archt.

Calif., San Francisco—HIGH SCHOOL—Yorke Memorial High School, J. E. Power, chn. building comn., plans Central District High School, fireproof, Mission St. $500,000.

Calif., Santa Barbara—SCHOOL—State Building Comn., Sacramento, plans main school building, at State Teachers College, here. $150,000. B. G. McDougall, Forum Bldg., Sacramento, state archt.

H. T., Honolulu — COLLEGE — Kamehamelha College having plans prepared by B. D. Goodhue, 2 West 47th St., New York City, N. Y., and C. W. Dickey, 1404 Franklin St., Oakland, Calif., group fireproof college buildings, here. $4,000,000.

BIDS DESIRED

Mass., Lawrence—SCHOOL—City, Supt. Schools, taking bids 2 story and basement, brick and stone, Allen St., Eastern Sec. $150,000. Ashton, Huntress & Alter, 477 Essex St., archts.

Mass., Oak Bluffs—SCHOOL—Town Bd. Selectmen taking bids, 2 story and basement, brick and stone school. $150,000. J. Beals Sons, 185 Devonshire St., Boston, archts.

Mass., Worcester — CHURCH and PARSONAGE — Concordia Lutheran Church Society, c/o Newhall & Blevins, archts., 9 Park St., Boston, taking bids 1 and 2 story and basement, brick and stone, plain foundation, Murray Ave. $150,000. Noted Apr. 16.

Conn., Mianus (mail Cos Cob)—SCHOOL—July 7, by Bd. Educ., 2 story and basement, 62 x 200 ft. school in North Mianus. Coffin & Coffin, 522 5th Ave., New York City, archts.

N. Y., Brooklyn—SCHOOL—July 14, by W. H. Gompert, supt. School Buildings, Flatbush Ave. extension and Concord St., P. S. 114, Cronston Ave. from Beach 134th to Beach 135th Sts., for Bd. Educ., 500 Park Ave., New York City.

Pa., Norwood (mail Hoadleys) — CHURCH—July 6, by Richter & Eller, archts., Reading, 1 story, basement and gallery, 50 x 115 ft., stone, church and Sunday school, plain foundation, for Immanuel Lutheran Church.

Pa., Phila.—SCHOOL—July 7, by Bd. Educ., 3 story and basement, 72 x 158 ft., rein.-con. and brick, plain foundation, 17th and Christian Sts. I. T. Catharine, 19th and Chestnut Sts., archt.

Pa., Williamsport—SCHOOL—July 13, by H. A. Sterner, secy. School Dist., 2 story and basement, 90 x 90 ft., rein.-con., brick and steel addition to Lincoln School. $150,000. F. A. Rianhard, Masonic Temple, archt.

N. C., Durham—COLLEGE—July 14 by H. Trumbauer, archt., Land Title Bldg., Phila., Pa., 1 story and basement, 87 x 98 ft auditorium, 2 story and basement, 138 x 222 ft. Union Building, 2 story, 106 x 139 ft. library, 3 story and basement, 112 x 178 ft. Science Bldg., 2 story and basement, 48 x 178 ft. class room building, with two 33 x 51 ft. wings, 3 story and basement, 56 x 178 ft. apartment house, with 27 x 42 ft. and 27 x 78 ft. wings, five 3 story and basement, 56 x 178 ft. dormitories with 27 x 62 ft. wings, here, brick, plain foundations, for Duke University. Noted May 28.

O., Cleveland—CHURCH—E. T. P. Graham, archt., 171 Newbury St., Boston, Mass., and F. S. Fish, associated archt., 6007 Euclid Ave., taking bids 1 story, 60 x 100 ft., brick, steel, concrete and stone, Granger St. for St. James Roman Catholic Church, M. D. Leahy, pastor, 17514 Detroit Ave. $150,000.

Mich., Kalamazoo—CHURCH HOUSE—July 7, by A. Lenderink, chn. Building Com., 608 Kalamazoo Natl. Bank Bldg., 2 story and basement, brick, stone, concrete and steel, West South St. $150,000. Uver-Viehe-Naess Co., Wrigley Bldg., Chicago, Ill., archts.

Ill., Kankakee — HIGH SCHOOL—July 27, at office City Superintendent of Schools, 3 story and basement, rein.-con., brick and stone high school, for Bd. Educ., c/o E. A. Jeffers, pres. L. T. W. Steube, 415 Adams Bldg., Danville, archt.

Mo., St. Louis—CHURCH and RECTORY—Ludewig & Dreisoerner, archts., 3543 Humphrey St., taking bids 1 and 2 story and basement, 50 x 159 ft., granite, brick and concrete, Humphrey St. and Oak Hill Ave., for Holy Family Roman Catholic Parish, J. F. Reuther, pastor, 4129 Humphrey St. $150,000.

Calif., Los Angeles—CHURCH—A. Miller, pastor St. James Episcopal Church, St. Andrews Pl. and Wilshire Blvd., taking bids rein.-con. church, St. Andrews Pl. $150,000. B. McDougall, Pine St., San Francisco, archt.

Calif., Los Angeles—HIGH SCHOOL—July 8, by Bd. Educ., Lafayette Junior High School, 2 story, brick and rein.-con. $150,000.

Calif., Los Angeles—HIGH SCHOOL—July 10, by Bd. Educ., Burroughs Junior High School, 2 story, 24 room main building, with shop, gymnasium, etc., brick and rein.-con. $150,000. F. J. Catton, Los Angeles, archt.

Ont., Pembroke — COLLEGIATE — July 13, by Secretary Bd. Educ., collegiate institute. $150,000. Craig & Madill, 32 Bloor St. W. Toronto, archts.

BIDS RECEIVED

W. Va., Morgantown—HIGH SCHOOLS—Bd. Educ., three 3 story high school buildings, from Baker & Coombs, Morgantown, $644,907. Noted Apr. 31, 1923.

Pa., Wayne — HIGH SCHOOL — School Dept. Radner Twp., E. E. Trout, secy., Junior and Senior High School, 2 story and basement, 105 x 197 ft., from C. McCaul Co., 1713 Sansom St., Phila., $410,400. Noted June 18.

Tex., Austin—RECITATION—State University of Texas, F. J. Mathews, secy. Bd. Regents, 3 story and basement, 83 x 154 ft., rein.-con., brick and stone, on campus, from Walker Constr. Co., Houston Bldg., San Antonio, $316,826. Noted Apr. 30.

Calif., Los Angeles—HIGH SCHOOL—Bd. Educ., Mt. Vernon Junior High School, brick and concrete, from Salih Bros., Detwiler Bldg., Los Angeles, $291,650. Noted June 11.

CONTRACTS AWARDED

Mass., Billerica — SCHOOL — School Comn., 2 story and basement, brick and stone, Talbot St., to J. P. Foley & Son, 80 Boylston St., Boston. Archts. est. $150,000. Noted June 4.

Mass., Fall River — CHURCH and PARISH HOUSE—Union Methodist Episcopal Church, R. A. Colpitts, pastor, Prospect St., 3 story and basement, brick and stone, plain foundation, to Beattie & Cornell, 33 North Quarry St. Archts. est. $350,000. Noted Apr. 9.

Mass., Pittsfield—PARISH—First Baptist Church, 4 story 76 x 100 ft. brick and stone, South St., to J. R. Hampson & Co., Inc., 184 North St. Archts. est. $175,000. Noted June 11.

R. I., Providence—CONVENT—St. Raymonds Roman Catholic Church, 3 story and basement, brick, plain foundation, 8th St., to Famiglietti Bros., 166 Bway. Archts. est. $150,000. Noted June 11.

N. Y., New York—CHURCH, OFFICE, etc.—Broadway Temple Building Corp., 25 Beaver St., 24 story, brick, steel and stone, 173rd St. and Bway., to W. Kennedy Constr. Co., 215 Montague St., Brooklyn, approximately $4,000,000. Noted Jan. 3.

Pa., McKeesport—CHURCH, etc.—First Methodist Episcopal Church, c/o G. F. Meyers, 1419 Carnegie St., general contract 1½ story and basement, 33 x 110 ft., and 50 x 80 ft., stone, Cornell and Versailles Sts., to E. A. Wehr, Hilapd Bldg., Pittsburgh. Archts. est. $300,000. Noted Apr. 23.

Pa., Phila. — SCHOOL—Hoffman-Henon Co., archts., Finance Bldg., 2 story, 40 x 103 ft., and 63 x 126 ft., stone, plain foundation, Sanger and Jackson Sts., to Murphy-Quigley Co., 1524 Sansom St., for St. Bartholomew Roman Catholic Church, J. J. Scanlon, pastor. Archts. est. $150,000.

Pa., Pittsburgh — HIGH SCHOOL — Bd. Educ., Fulton Bldg., general contract 3 story and basement addition, 5th Ave., to A. Conradis, Martin Bldg., N. S., $352,724; heating and ventilating, to Ryan Heating Co., 53 Tunnel St., $57,690 plumbing, to E. F. Cass Plumbing Co., 140 2nd Ave., $27,253.

Pa., Warren — CHURCH and SUNDAY SCHOOL — First Methodist Episcopal Church, C. T. Greer, pastor, 311 4th Ave., general contract 1 story and basement, 115 x 200 ft., stone, Market and 2nd Sts., to L. O. Bouquin, Oil City. Archts. est. $250,000.

O., Canton — SCHOOL — St. John's Catholic Church, 627 McKinley Ave., 2 story and basement, 63 x 121 ft., brick, steel and concrete, McKinley Ave. N. W., to G. F. S. Melbourne Constr. Co., 151 and 160 Clark Bldg., $150,000.

O., Cincinnati—CHURCH—Hyde Park Methodist Church, Observatory and Grace Aves., 2 story and basement, brick, steel and stone, Observatory Ave., to E. Carson, Loganport, Ind., $450,000. Noted Oct. 23.

O., Dayton — CHURCH — Holy Angels Church, 2 story, rein.-con., and steel, plain foundation, Brown St., to Danis-Hunt Constr. Co., 1st and Wedd Sts., $250,000.

O., Steubenville — HIGH SCHOOL — Bd. Educ., 3 story and basement, Grant Junior High School, 110 x 200 ft., brick and tile, to C. D. Keyser & Co., Bellaire, $361,160. Noted June 4.

Ill., Hinsdale — COLLEGE — Franciscan Fathers of Illinois, c/o M. Strube, 3140 Meramec St., St. Louis, Mo., St. Josephs College, 3 story and basement, 280 x 354 ft., rein.-con., brick and stone, here, to Sternberg Constr. Co., Builders Exch., St. Paul, Minn., approximately $750,000. Noted Apr. 16.

Mo., Kirksville—SCHOOL—Bd. Educ., C. F. Link, secy., general contract Washington and Benton Grade Schools, 2 story and basement, 92 x 130 ft., brick and stone, to J. H. Hunzinger & Co., Davenport, Ia., $147,549; heating and plumbing, to Foley Plumbing & Heating Co., 1002 East 19th St., Kansas City, $25,971. Noted Apr. 9.

Mo., St. Louis—FINE ARTS—Washington University, Forsythe St. and Skinker

Buildings—Educational, Religious (Continued)

Blvd., 3 story, 59 x 204 ft., granite, Bedford stone, hollow tile and rein.-con., Forsythe St. and Skinker Blvd., to Gamble Constr. Co., 620 Chestnut St. Archts. est. $250,000.

Tex., Midland—HIGH SCHOOL—Owner, c/o J. B. Howe, secy., 3 story, 70 x 140 ft., rein.-con., brick and stone, to J. M. Morgan, Big Spring, $109,000. Noted Feb. 19.

Okla., Tulsa—CHURCH—First Methodist Congregational Church, C. D. Skinner, pastor, general contract, 3 story and basement, 130 x 190 ft., rein.-con., brick and stone, South Boulder St., to G. D. Morrow & Son, Kennedy Bldg., Tulsa. Archts. est. $300,000.

Okla., Tulsa — HIGH SCHOOL — Bd. Educ. general contract Woodrow Wilson Junior High School, 2 story and basement, 128 x 282 ft., rein.-con., brick and stone, 11th and Delaware Sts., to J. W. Wilson, Kennedy Bldg., $174,968; heating, to Knoles & Green, 118 West 3rd St., $45,958. Noted Apr. 9.

Wash., Longview—LIBRARY—Long Bell Lumber Co., 2 story, 70 x 100 ft., granite, terra cotta and brick library, to J. E. Bonnell & Sons, 3310 North 15th St., Tacoma, $150,000.

Federal Government Work

PROPOSED WORK

Ky., Louisville—Wire and Manila Rope—U. S. Engineers Office, Box 72, soon takes bids furnishing and delivering 34,450 ft. ⅞ to 1¼-in. wire rope, 6 x 19 improved steel, $17,748, and Manila rope, 3 strand, medium lay, $11,555.

BIDS DESIRED

Conn., New Haven—Dredging—July 31, by U. S. Engineers Office, Providence, R. I., dredging in New Haven Harbor; adv. E. N.-R. July 2.

N. Y., Brooklyn—Quarters—Spec. 4937—July 15, at Bureau Yards & Docks, Navy Dept., Wash., D. C., double quarters, for officers at Naval Hospital, here. E. Gregory, ch. of Bureau; adv. E. N.-R. July 2.

Ala., Florence—Lock Gates—July 21, at U. S. Engineers Office, structural steel lock gates, incl. fittings, castings, etc. for Dam 1, Tennessee River; adv. E. N.-R. July 2.

Miss., Vicksburg—Levee Work—July 7, at Office Third Mississippi River Dist., Box 404, 175,000 cu.yd. levee work; adv. E. N.-R. July 2.

BIDS RECEIVED

Conn., New London—Post Office—Treas. Dept. at office Supervising Archt., Wash., D. C., June 25, remodeling and extending post office, here, from G. H. Cooper, 165 Tillary, Brooklyn, N. Y., $19,800. Noted May 28.

S. C., Parris Island—Dredging and Pier Repairs—Spec. 5047—Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to pier and dredging at Marine Barracks, here, from Austin Eng. Co., 121 West 42nd St., New York City, $73,497.

California—Road—C. H. Sweetser, dist. engr. Bureau Pub. Rds., 9 Main St., San Francisco, June 16, grading, crushed rock surfacing, etc., 3.71 mi. Yuba Pass Exterior Forest Rd., from C. Harlowe, 378 Belmont St., Oakland, $74,140. Noted June 1.

CONTRACTS AWARDED

D. C., Wash.—Waterworks, etc.—Spec. 5104—Bureau Yards & Docks, Navy Dept., additions to water system at Naval Operating Base, to Pittsburg-Des Moines Steel Co., Virginia Railway & Power Bldg., Richmond, Va., $13,152 (90 days).

La., New Orleans — Incinerator — Treas. Dept. at office Supervising Archt., Wash., D. C., June 18, incinerator at Marine Hospital, here, to H. W. Bond & Bro., New Orleans, La., $1,471. Noted May 21.

Ark., Hot Springs—Addition—Army and Navy General Hospital at office Constructing Quartermaster, general contract addition to mess hall, kitchen, etc., incl. plumbing, to Herman & McCain Constr. Co., Reigler Bldg., Little Rock, $23,157; steam heating to J. K. Lecroy, 318 Jackson St., Hot Springs, $1,175. Noted June 4.

Oregon—Roads—Bureau Pub. Rds., 316 Post Office Bldg., Portland, June 11 and 12, sub-grading 25.5 mi. Whitman National Forest Rd., Grant and Baker Counties, 43,700 cu.yd. crushed rock, to Security Constr. Co., La Grande, $101,485; grading and surfacing 16.15 mi. National Forest Rd., 16 ft., Lincoln Co., to Joplin & Eldin, Portland, $102,870; grading and paving 11.5 mi. Dalles-California Highway, 18 ft., Klamath Co., to G. K. March, 1126 2nd St., $93,520; grading 20 mi. National Park Rd., in Crater National Park., to Warren Constr. Co., Park Rose, Portland, $259,440. Noted June 4.

Calif., San Diego—Torpedo Storehouse—Spec. 5015A—Bureau Yards & Docks, Navy Dept., Wash., D. C., torpedo storehouse, here, to J. Pringle, 212 Anita Rd., Burlingame, $78,612.

Calif., San Diego—Warhead, Storehouse, etc.—Spec. 5015B—Bureau Yards & Docks, Navy Dept., Wash., D. C., warhead, storehouse, etc., here, to H. H. Peterson, 356 Spreckle Bldg., $38,650 (180 days).

Unclassified

PROPOSED WORK

Park Reservation — Boston, Mass. — City Planning Bd. plans park reservation from World War Memorial Park at Orient Heights (East Boston) to Winthrop boundary Line. $1,000,000. F. H. Fay, chn.

Playground—Dorchester (Boston P. O.) —Street Layingout Dept., Boston, plans reconstructing Athelwold and School Sts., adjoining John Marshall Dist. School, for playground, here. $25,000. J. F. Sullivan, secy.

Tower — Newport, R. I. — City, Park Comn., having plans prepared by R. C. Sturgis, archt., 120 Boylston St., Boston, Mass., concrete and stone war memorial tower, 60 ft. high, in Miantonomi Park. $75,000.

Docks—Minneapolis, Minn.—See "Buildings—Commercial."

Fire Alarm System—Kansas City, Mo.—City, c/o W. B. Buchholz, chn. Fire & Water Bd., City Hall, plans extending automatic fire alarm system, etc. $500,000.

Pipe Line—Texas—Booth Interests, c/o F. A. Hornaday (local representative), 308 Augusta St., San Antonio, having surveys made 125 mi. 14 and 16 ft. gas pipe line from Webb Co. gas fields to San Antonio, 30,000,000 cu.ft. capacity, $2,500,000; and 30 mi. 6 in. or larger line from San Antonio to New Braunfels, connecting with Coma Power Co. plant, $600,000. Hope Eng. & Supply Co., Mount Vernon, O., engrs.

Brick Plant — Abilene, Tex. — Abilene Press Brick Co., soon takes bids plant addition, 26,000 brick per day capacity. $50,000. Private plans.

Brick Plant—Crystal City, Tex.—G. C. Jackson, et al, Eagle Pass, plans brick plant. $60,000. Engineer not selected.

Gas Line—Longview, Tex.—W. H. Morefield, Tyler, plans about 60 mi. gas line extension from Waskom gas fields to Longview. $650,000. Private plans.

Gas Pipe Line—Tyler, Tex.—W. H. Sedberry & associates making plans natural gas pipe line from Waskom Fields to Tyler. $75,000 or more.

Swimming Pool—Wynne Wood, Okla.—See "Waterworks."

Athletic Field, etc.—Phoenix, Ariz.—Election soon $150,000 bonds, athletic field and playground, for School Bd. Engineer not selected.

Park Improvements—Inglewood, Calif.—Plans election $100,000 bonds, park improvements.

Grand Stands, etc.—Sacramento, Calif.—State of California, plans state fair grounds and grandstand. $200,000. B. G. McDougall, Forum Bldg., state archt.

Power Lines—Ontario—Ontario Hydro Power Comn., University Ave., Toronto, plans extending power lines from Mitchell to Monkton, also power and lighting system, in Monkton. $40,000. A. Beck, London, chn.

Casino and Race Track—Mexico City, Mexico—L. Kuttner, L. Morris, et al., c/o M. O'Brien, archt., Nevada Bank Bldg., San Francisco, plan casino resort and race track, here. $2,500,000.

BIDS DESIRED

Heating, etc.—Iroquois, N. Y.—July 14, by F. R. Utter, supt. Purchase, Capitol, Albany, heating work, new boiler and alterations to power plant at Thomas Indian School, here; adv. E. N.-R. July 2.

Subway—New York, N. Y.—July 3, by Bd. Transportation, 49 Lafayette St., constructing Sect. 4, Route 78, along and under St. Nicholas Ave. from 133rd to West 141st Sts., Manhattan. J. H. Delaney, chn.

Subway—New York, N. Y.—July 10, by Bd. Transportation, 49 Lafayette St., constructing Sect. 6, Route 78, along and under St. Nicholas Ave. and Bway. from West 160th to West 173rd Sts.; and altering Manhattan-Bronx subway to permit widening of 4th Ave. between East 9th and East 12th Sts. and between East 17th and East 32nd Sts., Manhattan. G. A. Delaney, chn.

Heating, etc.—Bay Brook, N. Y.—July 14, by H. R. Utter, supt. Purchase, Capitol, Albany, heating, underground steam conduit, etc., for New York State Hospital for Treatment of Incipient Pulmonary Tuberculosis, here; adv. E. N.-R. July 2.

Street Lighting—West Palm Beach, Fla.—July 8, by City Comn., about 20 mi. ornamental street lighting extensions. T. B. Henry, city engr.; adv. E. N.-R. July 2.

Subway—New York, N. Y.—Bd. Transportation, 49 Lafayette St., constructing Route 78, Sect 2-A, along Central Park West and 8th Ave. from 101st to 111th Sts., to Rosenthal Eng. & Contg. Co., Prospect Ave. and 189th St., $5,123,000. Noted June 25.

Ice Skating Arena — Los Angeles, Calif.—C. R. Selkirk, archt., Amer. Bank Bldg., taking bids ice skating arena, timber and steel, Vermont Ave., for Interests represented by J. O. Allen, Commercial Exchange Bldg. $200,000.

Cribwork, etc.—Oshawa, Ont.—July 14, by S. E. O'Brien, secy., Dept. Pub. Wks., Ottawa, harbor improvements, incl. cribwork reconstruction, general repairs, close-pile protection, close-pile retaining wall, here. $135,000.

Pier—Port Burwell, Ont.—July 7, by S. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, reconstructing 772.5 ft. of East Pier, here. $100,000.

CONTRACTS AWARDED

Swimming Pool — Springfield, Mass. — Springfield Boys Club, Chestnut St., 2 story, 60 x 80 ft., rein.-con. and brick swimming pool, Chestnut St., to W. W. Davis, 97 Bellevue Ave.

Stadium — Oberlin, O. — Oberlin College, rein.-con. stadium, 3,500 seating capacity, to Van Blarcom Co., Natl. City Bldg., Cleveland, $50,000. Noted Jan. 8.

Grandstand—West Allis, Wis.—J. D. Jones, comr. Agriculture, Madison, rein.-con. addition to grandstand at State Fair Park, here, to Dreyer Constr. Co., 1008 6th St., Milwaukee, $100,926. Noted June 25.

Grain Elevator—St. Louis, Mo.—Wiggins Ferry Co., 18th and Market Sts., will build grain elevator, rein.-con., 1741-47 North Wharf St., by day labor under supervision of R. C. Stone Eng. Co., engrs., Merchants Exch. Bldg. $50,000.

Storage Tanks—Texas—Texas Co., Port Arthur, four 37,000 bbl. steel plate storage tanks, at Port Arthur, three 55,000 bbl. tanks at Port Nechez, 64,000 and 34,000 bbl. tanks at Nederland, to Petroleum Iron Wks., Sharon, Pa.

Heating—Tulsa, Okla.—See "Buildings—Educational, Religious."

Lighting System—Beverly Hills, Calif.—Ornamental lighting system on Wilshire Blvd., etc., to Underground Constr. Co., 517 South Bway., Pasadena, $80,825; La Clegna Ave., etc., to Los Angeles Electric Wks., 1128 South Los Angeles St., Los Angeles, $25,925.

Lighting System—Los Angeles, Calif.—Ornamental lighting system on Main St. between Florence and Manchester Sts., to Newbury Electric Co., 726 South Olive St., $34,928.

Materials

PROPOSED WORK

Electric Machinery—New Braunfels, Tex.—Comal Power Co. of San Antonio, a subsidiary of San Antonio Pub. Serv. Co., 201 North St. Marys St., San Antonio, plans to purchase additional electric machinery for power plant (now under construction), near here. $1,000,000. E. H. Kifer, genl. mgr.

BIDS DESIRED

Concrete—New York—July 14, by A. W. Brandt, comr. Highways, Albany, 2,000 tons mixed asphalt concrete, Contr. 9; adv. E. N.-R. July 2.

Pipe, etc.—New York, N. Y.—July 20, by J. Miller, pres. Manhattan Boro, Municipal Bldg., furnishing, delivering, unloading, storing, and stacking c. i. pipe, special and valve box castings, valves and double nozzle fire hydrants to Dept. Water Supply, Gas & Electricity. J. E. Bowe, comr.

Rails, etc.—New York, N. Y.—July 3, by Bd. Transportation, 49 Lafayette St., rails, frogs, switches, etc. for Westchester Ave. Yard Approach. J. A. Delaney, chn.

Sand, etc.—Lancaster, Pa.—July 6, at office S. Shissler, city controller, City Hall, 3 carloads of filter bedsand, and sulphate of Alumina, f. o. b. filter bed siding. Adv. E. N.-R. July 2.

BIDS RECEIVED

Paving Blocks—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., June 23, 15,000 granite paving block to Highway Dept., from Terminal Supply Co., 350 Madison Ave., New York City, $2,168. Noted June 18.

CONTRACTS AWARDED

Sand, etc.—Minneapolis, Minn.—F. S. Gram, city purch. agt., to Gopher Stone Co., 1500 Johnson St., 32,000 cu.yd. sand at $1.10 per cu.yd., and 25,000 cu.yd. crushed rock or gravel $2.25. Noted May 28.